CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Aug. 14	Northville, Mich.	Aug. 3
Aug. 14	Watertown, S. D.	Aug. 10
Aug. 15	Stevens Point, Wis.	Aug. 10
Aug. 16	Sayreville, N. J. Adv. July 27 to Aug. 10.	July 27
Aug. 16	Glendive, Mont.	July 27
Aug. 16	Wash., D. C. Adv. Aug. 3 and 10.	Aug. 3
Aug. 18	Sebring, O. Adv. Aug. 10.	Aug. 10
Aug. 24	Sacramento, Cal.	July 27
Aug. 24	Quincy, Fla.	Aug. 3
Aug. 25	Mansfield, Mass. Adv. Aug. 10.	Aug. 10
Aug. 29	Charlotte, N. C.	Aug. 10
Aug. 30	Scituate, R. I. Adv. Aug. 3 and 10.	Aug. 3
Sept. 15	Grants Pass, Ore.	July 27
Sept. 15	Plaquemine, La.	Aug. 3
Oct. 1	Ponchatoula, La.	Aug. 3

SEWERS

Aug. 14	Northville, Mich.	Aug. 3
Aug. 14	Hondo, Tex.	July 27
Aug. 14	Pensauken, N. J.	July 27
Aug. 14	Trenton, Mich.	Aug. 10
Aug. 14	Alexandria, Minn.	Aug. 10
Aug. 15	Springwells, Mich.	Aug. 3
Aug. 15	Long Branch, N. J. Adv. Aug. 10.	Aug. 10
Aug. 16	Sayreville, N. J. Adv. July 27 to Aug. 10.	July 27
Aug. 16	Nashville, Tenn.	Aug. 3
Aug. 16	Montreal, Que.	Aug. 10
Aug. 18	Erie, Pa.	Aug. 3
Aug. 20	Colonie (Watervliet P. O.), N. Y.	Aug. 10
Aug. 21	Redwood City, Cal.	Aug. 10
Aug. 22	Newark, N. J.	July 27
Aug. 23	Rye, N. Y. Adv. July 27 to Aug. 10.	July 27
Aug. 25	Milwaukee, Wis. Adv. Aug. 10.	Aug. 10
Aug. 29	Newark, N. J.	Aug. 10

BRIDGES

Aug. 14	Missouri	Aug. 3
Aug. 15	West Virginia	July 27
Aug. 15	Bennettsville, S. C.	Aug. 3
Aug. 16	Ballston Spa, N. Y.	July 27
Aug. 16	Phila., Pa.	Aug. 10
Aug. 18	Denver, Col.	Aug. 10
Aug. 18	Virginia	Aug. 3
Aug. 18	Illinois	Aug. 3
Aug. 21	Mottville, Mich.	Aug. 10
Aug. 22	Athens, Ga. Adv. Aug. 10.	Aug. 10
Aug. 22	Miami, Fla.	Aug. 10
Aug. 24	Attelboro, Mass. Adv. Aug. 10.	Aug. 10
Aug. 29	Wellington, New Zealand	July 13
Sept. 1	Knoxville, Tenn.	July 27
Sept. 5	Houston, Tex.	Aug. 10
Sept. 7	Nashville, Tenn. Adv. Aug. 3 and 10.	Aug. 3
Oct. 1	Siam	July 13
Oct. 31	Sydney, Australia	Jan. 12
Sept. 1, 1923	Sydney, New South Wales, Australia	Aug. 3

DAMS

Aug. 14	Newburgh, N. Y.	Aug. 3

EXCAVATION AND DREDGING

Aug. 12	Kokomo, Ind.	July 20
Aug. 14	Benton, Mo.	July 20
Aug. 14	Montesano, Wash.	Aug. 10
Aug. 15	Varner, Ark.	Aug. 3
Aug. 15	Ft. Lauderdale, Fla.	July 13
Aug. 18	Bloomington, Ill. Adv. July 20 to Aug. 10.	July 20
Aug. 19	Jefferson, Wis.	Aug. 10
Aug. 20	Port Frank, Ont.	Aug. 10
Aug. 21	Norwalk, Conn. Adv. Aug. 10.	Aug. 10
Aug. 21	Naples, Ill. Adv. Aug. 10.	Aug. 10
Aug. 25	Austin, Minn.	Aug. 10

STREETS AND ROADS

Aug. 12	Quebec	July 27
Aug. 12	Wheeling, W. Va.	July 27
Aug. 14	Ebensburg, Pa.	Aug. 3
Aug. 14	Scalp Level, Pa.	Aug. 3
Aug. 14	Ashville, Pa.	Aug. 3
Aug. 14	Missouri	Aug. 3
Aug. 14	Grandview Heights (Columbus P. O.), O.	Aug. 3
Aug. 14	Visalia, Cal.	Aug. 10
Aug. 14	Carrollton, Ala.	Aug. 10
Aug. 14	Ottumwa, Ia.	Aug. 10
Aug. 14	Mason City, Ia.	Aug. 10
Aug. 14	St. Paul, Minn.	Aug. 10
Aug. 14	Salisbury, N. C.	Aug. 10
Aug. 15	Oklahoma	Aug. 10
Aug. 15	Waseca, Minn.	Aug. 10
Aug. 15	Long Branch, N. J. Adv. Aug. 10.	Aug. 10
Aug. 15	Wellington, Kan. Adv. Aug. 10.	Aug. 10
Aug. 15	St. George, N. Y.	Aug. 10
Aug. 15	New York Adv. Aug. 3 and 10.	Aug. 3
Aug. 15	Woodbury, N. J. Adv. Aug. 3 and 10.	Aug. 3
Aug. 15	Pickens, S. C.	Aug. 3
Aug. 15	Santa Rosa, Cal.	July 27
Aug. 15	Beaumont, Tex.	July 27
Aug. 15	Wadsworth, O.	July 20
Aug. 15	Alabama	July 27
Aug. 15	Knoxville, Tenn.	July 20
Aug. 15	Columbus, O.	Aug. 3
Aug. 15	Maryland Adv. Aug. 3 and 10.	Aug. 3
Aug. 15	Sequin, Tex.	Aug. 3
Aug. 15	Morris, Ill.	Aug. 3
Aug. 15	Cape May, N. J. Adv. Aug. 3 and 10.	Aug. 10
Aug. 15	Charles City, Va.	Aug. 10
Aug. 15	Sharon, Pa.	Aug. 10
Aug. 15	Michigan	Aug. 10
Aug. 15	Tahoka, Tex.	Aug. 10
Aug. 16	Verdun, Que.	Aug. 10
Aug. 16	Denver, Col.	Aug. 10
Aug. 16	Nashville, Tenn. Adv. Aug. 3 and 10.	Aug. 3
Aug. 16	Rhode Island	Aug. 3
Aug. 16	Brooklyn, N. Y.	Aug. 10
Aug. 16	New York, N. Y.	Aug. 10
Aug. 17	Clearwater, Fla.	Aug. 10
Aug. 17	Henderson, N. C.	July 27
Aug. 17	Youngsville, Pa.	Aug. 3
Aug. 17	Halletsville, Tex.	Aug. 3
Aug. 17	Upper Nyack, N. Y. Adv. Aug. 3 and 10.	Aug. 10
Aug. 17	Jonesboro, Ark. Adv. Aug. 10.	Aug. 10
Aug. 17	Denver, Col.	Aug. 10
Aug. 18	Waterloo, Wis.	Aug. 10
Aug. 18	Mellen, Wis.	Aug. 10
Aug. 18	Illinois	Aug. 3
Aug. 18	Minnesota	Aug. 10
Aug. 19	Cleveland, O	Aug. 10
Aug. 19	Rutledge, Kan.	Aug. 10
Aug. 21	California	Aug. 3
Aug. 21	Princeton, N. J. Adv. Aug. 10.	Aug. 10
Aug. 21	Pella, Ia.	Aug. 10
Aug. 22	Orangeburg, S. C.	Aug. 3
Aug. 23	Two Harbors, Minn.	Aug. 3
Aug. 23	Delaware Adv. Aug. 10.	Aug. 10
Aug. 23	Henderson, Ky. Adv. Aug. 10.	Aug. 10
Aug. 23	Akron, O.	Aug. 10
Aug. 24	Charleston, S. C.	Aug. 3
Aug. 28	California	Aug. 10
Aug. 29	El Dorado, Kan.	Aug. 10
Aug. 30	North Carolina	Aug. 10
Aug. 30	North Carolina	Aug. 3
Aug. 30	Little Rock, Ark. Adv. Aug. 10.	Aug. 10
Sept. 5	Washington	Aug. 10
Sept. 19	New Orleans, La.	July 6

WASTE DISPOSAL

Aug. 14	West Allis, Wis.	Aug. 10

BUILDINGS

Aug. 12	Akron, O.	July 27
Aug. 12	Louisville, O.	July 27
Aug. 14	Cleveland, O.	July 27
Aug. 14	Plymouth, Ind.	Aug. 10
Aug. 14	New York, N. Y.	Aug. 10
Aug. 14	London, Ont.	Aug. 10
Aug. 15	Grandview Heights (Columbus P. O.),	July 20
Aug. 15	Franklinton, N. C.	Aug. 10
Aug. 16	Owen Sound, Ont.	July 27
Aug. 17	Denver, Col.	Aug. 10
Aug. 17	London, Ont.	Aug. 10
Aug. 18	Shaker Heights, O.	Aug. 10
Aug. 18	Madisonville, Ky. Adv. Aug. 3 and 10.	Aug. 10
Aug. 19	Kerman, Cal.	Aug. 10
Aug. 20	Erie, Pa.	July 13
Aug. 21	Oakland, Cal.	Aug. 10
Aug. 21	Plant City, Fla.	Aug. 10
Aug. 21	Oxford, N. C.	Aug. 10
Aug. 22	New York, N. Y.	Aug. 10
Aug. 22	Stateville, Ill.	Aug. 3
Aug. 23	Worcester, Mass.	Aug. 10
Aug. 23	Carlton, Minn.	Aug. 10
Aug. 31	New York, N. Y.	Aug. 3
Sept. 1	Knoxville, Tenn.	July 27
Sept. 5	Smyrna, Del. Adv. Aug. 10.	Aug. 10
Sept. 11	Oakland, Cal.	Aug. 10
Sept. 30	Duluth, Minn.	July 13
Oct. 1	Duluth, Minn.	Aug. 3

FEDERAL GOVERNMENT WORK

Aug. 14	Scow—Duluth, Minn. Adv. July 20 to Aug. 10.	July 20
Aug. 14	Levee Work — Memphis, Tenn. Adv. Aug. 3 and 10.	Aug. 3
Aug. 15	Excavation — Wilmington, Del. Adv. July 20 to Aug. 10.	July 20
Aug. 15	Rock Removal — Providence, R. I. Adv. July 20 to Aug. 10.	July 20
Aug. 15	Dredging—Galveston, Tex. Adv. July 20 to Aug. 10.	July 20
Aug. 15	Electric Pump — St. Louis, Mo.	July 27
Aug. 15	Lighthouse Tender — Wash., D. C.	July 27
Aug. 16	Wire Partition—San Diego, Cal.	July 27
Aug. 16	Remodeling—Wash., D. C.	Aug. 10
Aug. 18	Radial Gates, etc.—Riverton, Wyo.	July 13
Aug. 19	Dredging—New York, N. Y. Adv. July 20 to Aug. 10.	July 20
Aug. 21	Catamarans — Portland, Ore. Adv. July 20 to Aug. 10.	July 20
Aug. 21	Dredging—Baltimore, Md. Adv. July 27 to Aug. 10.	July 27
Aug. 22	Post Office—Spanish Fork, Utah	July 27
Aug. 22	Post Office—Fond du Lac, Wis.	July 27
Aug. 23	Retaining Walls — Quantico, Va.	July 27
Aug. 23	Quay Walls, etc.—Pearl Harbor, H. T.	July 20
Aug. 23	Dredging—Norfolk, Va.	July 27
Aug. 25	Extension to Workroom — Ft. Worth, Tex.	Aug. 3
Aug. 25	Office, Storehouse, etc.—Buffalo, N. Y. Adv. Aug. 3 and 10.	Aug. 3
Aug. 28	Remodeling — Raleigh, N. C.	Aug. 3
Aug. 28	Dredging — Providence, R. I.	Aug. 10
Aug. 30	Circulating Loop — Mare Island, Cal.	July 27
Aug. 31	Canal—Klamath Falls, Ore.	July 27
Aug. 31	Dredging — Providence, R. I. Adv. Aug. 10.	Aug. 10
Sept. 1	Sand and Gravel—New Orleans, La. Adv. Aug. 10.	Aug. 10
Sept. 1	Refrigerating Plants—Perryville, Md.	July 20
Sept. 5	Dredging — New York, N. Y. Adv. Aug. 3and 10.	Aug. 3
Sept. 5	Spur-dikes — New Orleans, La. Adv. Aug. 10.	Aug. 10
Sept. 5	Steel Gates — Nashville, Tenn. Adv. Aug. 3 and 10.	Aug. 3
Sept. 5	Dykes, etc.—New Orleans, La. Adv. Aug. 10.	Aug. 3
Sept. 6	Motors, etc.—Yuma, Ariz.	July 27
Sept. 6	Dredging—Phila., Pa. Adv. Aug. 10.	Aug. 10
Sept. 7	Stone—New Orleans, La. Adv. Aug. 10.	Aug. 10

MISCELLANEOUS

Aug. 12	Paving Block — Buffalo, N. Y.	Aug. 3
Aug. 14	Broken Stone, etc.—St. George, N. Y.	Aug. 10
Aug. 14	Reinforcing Rods, etc. — St. Paul, Minn.	Aug. 10
Aug. 15	Lighting System—Warren, O.	Aug. 10
Aug. 15	Hydro-electric Development—Dothan, Ala.	June 29
Aug. 15	Transmission Line, etc.—Hobgood, N. C.	July 27
Aug. 15	Foundation — Minneapolis, Minn.	July 13

Bids Close		See Eng. News-Record
Aug. 15	Repairs, etc. — Albany, N. Y.	Aug. 10
Aug. 16	Refined Asphalt, etc.—Brooklyn, N. Y.	Aug. 10
Aug. 17	Intake Pier, Screens, etc.—Wheeling, W. Va.	Aug. 3
Aug. 21	Lighting System — Chicago Heights, Ill. ..... Adv. Aug. 10.	Aug. 10
Aug. 22	Stone Jetty — Longport, N. J. ..... Adv. Aug. 10.	Aug. 10
Aug. 28	Mechanical Equipment—Sacramento, Cal.	Aug. 3
Sept. 15	Fire Alarm System, etc.—Kansas City, Mo.	
Sept. 16	Strain & Pin Type Insulators —Melbourne, Australia ... Adv. July 27 to Aug. 10.	July 27

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Dundee—Plans waterworks, incl. storage reservoir, about 4 mi. from here. $15,000. Engineer not selected.

N. Y., Niagara Falls—Plans to enlarge filtration plant. $300,000. D. J. Fort, 251 2nd St., city mgr.

S. C., Laurens—Voted $65,000 bonds for filtration plant.

Ia., Hull—Having plans prepared 14,000 lin.ft. 4 in. c.i. pipe and appurtenances. $20,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

S. D., Salem—Soon takes bids filtration plant. $15,000. Chenoweth & Rettinghouse, 210 Boyce Greely Bldg., Sioux Falls, engrs.

Que., Montreal—Metropolitan Comn. soon takes bids watermains in Montreal North. $160,000.

BIDS DESIRED

Mass., Mansfield—Aug. 25, at office of E. E. Lothrop, town mgr., Town Hall, laying 10,100 ft. 6 and 8 in. pipe, in East Mansfield, and 8,700 ft. c.i. pipe in West Mansfield; adv. this issue.

N. C., Charlotte—Aug. 29, storage and settling basins, chemical house with laboratories, mixing house, filter building and pump reservoir, complete plant for handling water supply, 10,000,000 gal. per day. $400,000. W. M. Piatt, Durham, engr.

O., Columbus—See "Streets and Roads."

O., Sebring—Aug. 18, by J. G. Eardley, clk., water purification plant, Burgess & Niple, 223 East Broad St., Columbus, engrs.; adv. this issue.

Wis., Stevens Point—Aug. 15, for 30 in. well 32 ft. deep, constructing pump station, furnishing and installing one 1,000 gal. and one 1,500 gal. direct connected centrifugal pumps. $20,000. C. L. Pittsbury Co., 1200 2nd Ave., S., Minneapolis, Minn., engrs.

S. D., Watertown—Aug. 14, by City Auditor, extending watermains incl., 5,000 lin.ft. 4 in. c.i. pipe, 3,870 lin.ft. 6 in. c.i. pipe, 1,970 lin.ft. 8 in. c.i. pipe, also 1,540 lin.ft. 10 in. vitr. sewer pipe. $20,000. W. T. Cochrane, city engr.

BIDS RECEIVED

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas and Electricity, Municipal Bldg., opened bids Aug. 2, furnishing, delivering and laying mains and appurtenances in Baychester and Morris Park Aves., Boston Rd., East 177th, East 222nd and East 241st Sts., from J. O'Leary, 929 Pease St., Pelham Manor, $91,857; Knight & Demicco, Inc., 1448 East Tremont Ave., $97,089; Carmine & De Blasio, $97,334.

CONTRACTS AWARDED

Ill., Maywood—Drilling artesian well, to S. B. Geiger, 330-335 Old Colony Bldg., Chicago, $25,662. Noted June 22.

Cal., Dinuba—Erecting steel tank and tower for waterworks system, to Pittsburg-Des Moines Steel Co., Rialto Bldg., San Francisco, $13,425.

Cal., South San Francisco (San Francisco P. O.)—South San Francisco Water Co., concrete tank reservoir, 200,000 gal. capacity, and 1 mi. c.i. pipe, to Macdonald & Kahn, 130 Montgomery St., San Francisco, $40,000.

Sewers

PROPOSED WORK

N. Y., Gloversville—Rejected bids for 4,280 ft. sewers in Newman, Lawrence, Meadow and East State Sts. Noted Aug. 3.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., rejected bids sewers in Brown Pl. from Grand St. to Whitlock Ave., and Whitlock Ave. from Brown Pl. to Bittman St., etc. Will readvertise. Noted Aug. 3.

N. Y., Rochester — See "Streets and Roads."

Pa., Mercer—Soon receives bids 1.5 mi. interceptor sewer. $25,000.

W. Va., Clarksburg—See "Streets and Roads."

Fla., Umatilla—Aug. 15, to vote on $25,000 bonds for sewers. A. Armitage, bond trustee.

O., Bellaire—Making surveys sewers in business section between Crescent and 34th Sts., 2 main trunk sewers 24 in. each and 6 in. lateral sewers in alleys. H. C. Althar, city engr.

O., Marion—Takes bids about Aug. 15, sewage disposal plant and main outfall sewer. $550,000.

Mich., Detroit—Plans 6,539 ft. Ashland Ave. Sewer, Sect. 1 from Fox Creek to Waverly Ave., 13 ft. 6 in. diam.; 5,874 ft. 13 ft. 6 in. and 120 f t.7 ft. and 8 ft. 6 in. diam. in Ashland Ave. Sewer, Sect. 2 in Ashland Ave. from Warren Ave. to Alter Rd.; 5,583 ft. 4-11 ft. diam. and 2,239 ft. 9 ft. 6 in. diam., Clark Ave. Sewer, Sect. 5, in Lovett, McGraw, Tireman, Hartford and Scotten Aves.; 2,961 ft. 5 ft. 3 in. to 5 ft. 9 in. diam. Bates St. Sewer in Euclid Ave. from Brush St. to Guilloz Ave.; 2,662 ft. 5 ft. to 5 ft. 3 in. Bates St. Sewer in Holbrook Ave. Arm in Holbrook Ave. from Brush to Greeley Aves.; 543 ft. 3 ft. to 4 ft. 6 in. diam. Bates St. Sewer, Montcalm Ave. Arm in Montcalm Ave. from John R to Brush Sts. All above brick or concrete. J. W. Reid, city engr.

Mich., Ford—Having plans prepared sewer extensions in various streets, 10-30 in. vitr. crock pipe. $35,000. M. L. Brown & Son, Capitol Bldg., Detroit, engrs.

Mich., Lincoln Park (Wyandotte P. O.)—Plans prepared 4,240 ft. Sect. 2 trunk sewer in Arlington and Fort Sts., incl. 24, 30 and 33 in. segment block and vitr. crock; 3,004 ft. Sect. 3 in Garfield Ave., Fort St. and Lincoln Blvd., 18, 20 and 22 in. pipe; 3,480 ft. Sect. 4 in, Fort St. and Chandler Ave., 12, 15 and 22 in. crock, also concrete sewage pumping station, three units one 500 gal., one 1,500 gal. and one 3,000 gal. per minute. R. A. Murdoch, 603 Free Press Bldg., Detroit, engr.

Wis., West Milwaukee (Milwaukee P. O.)—Making plans and specifications sanitary sewers in various streets. $30,00 bond issue voted. Parsons & Orbert, 216 West Water St., Milwaukee, engrs.

Cal., Gilroy—Plan election to vote on bonds for sewage disposal plant. C. E. Sloan Co., Santa Fe Bldg., San Francisco, engrs.

Cal., San Mateo — City had plans prepared 1 mi. 12-18 in. sewers, incl. automatic lift for Pacific City Amusement Park. $25,000. G. S. Whitehead, city engr. Noted May 11.

Cal., Turlock—Having plans prepared 2 mi. 24 in. concrete pipe drains. $25,000. H. Hall, city engr.

BIDS DESIRED

N. Y., Colonie (Watervliet P. O.)—Aug. 20, by P. Best, clk., Stop 30½ Troy-Schenectady Rd., sewer extension in 1st St. westerly from 8th Ave. to lands of Delaware & Hudson R.R., known as Schuyler Park Sewer Dist.

N. J., Long Branch—Aug. 15, by Bd. Comrs. extending sewer and building pumping station. J. W. Seaman, city engr.; adv. this issue.

N. J., Newark—Aug. 29, by Passaic Valley Sewerage Comn., 128 Market St., Saybrook Pl. Local Sewer Connection. J. R. Van Duyne, ch. engr.

O., Columbus—See "Streets and Roads."

Mich., Trenton—Aug. 14, by L. Frebes, village clk., 8,400 ft. of 15-36 in. main trunk sewer and 260 ft. submerged corrugated iron pipe outfall sewer. Hoad, Decker & Drury, Ann Arbor, engrs.

Wis., Milwaukee—Aug. 25, by Metropolitan Sewerage Comn., 508 Market St., extending intercepting sewerage system to Shorewood and Whitefish Bay. J. H. Fowles, secy.; adv. this issue.

Wis., Waterloo—See "Streets and Roads."

Minn., Alexandria—Aug. 14, by city, sewage disposal plant. Former bids rejected. H. S. Campbell, clk. C. H. Pillsbury Co., 1200 2nd Ave. S., Minneapolis, engrs. Noted July 27.

S. D., Watertown—See "Waterworks."

Tex., Dallas—E. L. Douglass, mayor, taking bids chlorinator, disposal plant and 6 flush tanks.

Cal., Redwood City—Aug. 21, E. M. Nash, clk. San Mateo Co., sewage disposal system at San Mateo Co. Hospital. W. H. Toepke, 742 Market St., San Francisco, engr.

Que., Montreal—Aug. 16, for 2,250 ft. sewer in Bernard Blvd. from Souligny to Marseilles Sts., and 937 ft. from Notre Dame to Du Buission Sts., 562 ft. Taillon St. from Notre Dame to Du Buission Sts. and 1,312 ft. from Souligny to Marseilles Sts., 3,000 ft. Paul Pan St. from Notre Dame to Marseilles Sts., and 562 ft. from Bellevue to Notre Dame Sts., 750 ft. Des Marteany St. from Notre Dame to Du Bussion Sts., and 2,250 ft. from Souligny to Marseilles Sts., 937 ft. Souligny St. from Bernard to Taillon Sts., all 2 x 3 brick. F. V. Dowd, asst. supt. sewer dept.

BIDS RECEIVED

Cal., Stockton—Outfall sanitary sewers for disposal plant, 4,518 ft. 27 in. and 12 ft. 8 in. pre-cast concrete pipe, etc., from Schultz Constr. Co., 46 Kearny St., San Francisco, $25,486; Heafey-Moore & McNair, 2030 High St., Oakland, $26,316; Frederickson & Shannon, Cory Bldg., Stockton, $29,705.

CONTRACTS AWARDED

Conn., Bridgeport—Sewer Comn., storm, sanitary and combined type sewers in Park, Essex, Horace, Bradley and Kent Sts., Ridge and Sage Aves., to Bridgeport Constr. Co., 983 Broad St., $30,092; in Harvard, 5th, Hope, Monroe, Clarkson, Dixon, Kelsey, Thorne, Willow and Hewitt Sts., Nash and Church Lanes, Garden Terrace, Davis and Jewett Aves., to Pierce Mfg. Co., 785 Housatonic Ave., $21,175. Noted July 20.

N. Y., Brooklyn—E. Riegelmann, boro. pres., Boro Hall, following sewers (1) Rochester Ave., (2) Ashford St., (3) Van Sicklen St., (4) Ave. Q, (5) 57th St., (6) Union St., (7) East 28th St., (8) Nostrand Ave., to F. Frey, 818 Ocean Parkway, (1) $23,150, (8) $2,006; Murphy Bros., 262 Bay 43rd St., (2) $6,570; J. J. Guinan Contg. Co., 2314 Gravesend Ave., (3) $3,761; Nazzarro & Querriero, 6712 11th Ave., New York, (4) $3,749, (5) $2,326, (6) $2,385, (7) $2,024. Noted Aug. 2.

N. Y., Mt. Kisco—N. J. Hayes, comr. Water Supply, Gas and Electricity, Municipal Bldg., New York, (1) resanding existing filter beds and (2) constructing new filter beds at Mt. Kisco sewage disposal plant, near here, Westchester Co., to Carroll Contg. Co., 103 Park Ave., New York, (1) $38,426, (2) $42,987. Noted July 27.

N. Y., New York—J. Miller, pres. Manhattan Boro., sewer on easterly side of Riverside Dr., from point about 141 ft. south of Plaza Lafayette (West 181st St.), etc., to M. Del Balso, University Ave. and 195th St., $11,842. Noted July 27.

N. Y., New York—See "Streets and Roads."

Pa., Erie—See "Streets and Roads."

Fla., Miami Beach—Vitr. clay sanitary and storm sewers, storage tank, 2 pumps, etc., to J. J. Quinn Co., Miami, $53,722. Noted July 13.

Fla., Miami—Sanitary sewers to Deer & Co., Miami, $150,000. Noted July 13.

Ky., Louisville—Speed Ave. sewer and drain, to H. Bickel Co., 443 Garden St., $64,470; 44th St. and Parker Ave. sewers, to J. H. Cahill, 1540 9th St., $27,999. Noted June 8.

Ky., Louisville—Comrs. of Sewerage, constructing Bardstown Rd. Dist. Trunk Sewer, to H. Bickel Co., 443 Garden St., $111,093. Noted July 13.

Mich., Detroit—To W. Blanck & Co., 823 Ford Bldg., Lateral Sewer 3515, in blocks bounded by Hawthorne, Russell, Lantz Aves. Seven Mile Rd., $9,945, 3673-A, bounded by Seven Mile Rd., Dequindre, Goddard, Nevada Aves., $36,561, 3678—bounded by Six Mile Rd., Arlington, MacKay, Nevada Aves., $10,490, 3683—bounded by Seven Mile Rd., Fleming, Conant, Emery Sts., $14,471, 3691—bounded by Seven Mile Rd., Dequindre, Fleming, Emery Sts., $11,892.

To Lennane & McIlvenna, 1205 Book Bldg., 3672—bounded by Grover, Chalmers, Houston, Young Sts., $15,500, 3685 — bounded by west of Nelson, Chalmers, Jane, Loretto Sts., $8,000, 3687—bounded by Wyoming, alley east of Falcon, Amos and Plymouth Sts., $3,000, 3693—bounded by Cherrylawn, Northlawn, Fullerton, Davidson Sts., $5,900, 3698—bounded by Gratiot, Nelson, Loretto and Filbert Sts., $6,900.

To Detroit Drainage Constr. Co., Penobscot Bldg., 3676—bounded by Conant, Ryan, Watko, Nevada Sts., $15,775.

Sewers (Continued)

To Coleman & Harding, Kresge Bldg., 3684—bounded by Pinehurst, Mendota, Grand River, Fullerton Sts., $1,234, 3688—bounded by Devan, Findlay, Minden Sts., $749, 3689—bounded by Murat, 550 ft. east of Murat, alley south of Knodell St., $1,346, 3692—bounded by French Rd., Gilbo, Elgin, Dubay Sts., $4,574, 3694—bounded by Chalmers, Seymour and Springarden Sts., $544, 3667—bounded by VanDyke, east of VanDyke, Jordan, Lynch Sts., $2,995.

To Western Constr. Co., 1208 Ford Bldg., 3690—bounded by Six Mile Rd., Windemere, Parkside, Grove Aves., $2,876.

Mich., River Rouge—R. Peters, city clk., 7,000 ft. trunk sewer in Jefferson and Stoner Aves., to Hannen & Co., Mankato, Minn., and G. B. Hoag, 806 Collingwood Ave., Detroit. This corrects report in June 15 issue.

Wis., Milwaukee — Sanitary and storm sewers in (1) Albert Pl. from Green Bay to Louis Aves., incl., 654 ft. 8-12 in. pipe, (2) Concordia Ave. from 21st to 22nd Sts., 228 ft. 8-12 in. pipe, (3) 44th St. from Locust to Chambers Sts., 66 ft. 8 in. pipe, (4) 45th St. from Locust to Chambers Sts., 1,407 ft. 8-12 in. pipe, (5) 48th St. from Chambers St. to point 120 ft. north, 142 ft. 8 in. pipe, (6) 14th Ave. from Arthur Ave. to point 260 ft. south, 273 ft. of 15 in. pipe, (7) Franklin St. from West 24th to 26th Sts., 435 ft. 8-12 in. pipe, (8) Jefferson St. from Green Bay Ave. to Port Washington Rd., 320 ft. 8 in. pipe, (9) Melvina St. from 15th St. to St. Louis Ave., 346 ft. 8-12 in. pipe, (10) Montana Ave. from Pine to Lenox Sts., 223 ft. 8-12 in. pipe, (11) Thomas St. from Farwell to Cramer Sts., 1,265 ft. 18-30 in. pipe, (12) Vienna Ave. from 3rd St. to Port Washington Rd., 387 ft. 8-12 in. pipe, (13) Weil St. from Keefe Ave. to Brattle St., 588 ft. 12-15 in. pipe, to A. Kehrein, 918 24th St., (1) $1,503, (3) $1,548, (4) $2,990, (7) $1,275, (8) $2,257, (10) $1,052, (13) $1,895; Wenzel & Henoch, 498 27th St., (2) $818; T. Szukalski, 1089 American Ave., (5) $702; G. E. Zimmerman, 3402 Grand Ave., (6) $1,415, (11) $37,292, (12) $1,506; E. O'Donnell, 1218 Clybourn St., (9) $834.

Ia., Mason City—For 7,926 lin.ft. 8 in., 660 ft. 10 in. and 2,372 ft. 15 in. tile sewer, to Royer-Craig Constr. Co., St. Ansgar, $23,431.

Ia., Oelwein—For 2.5 mi. sewer to Sieg Constr. Co., Waterloo, 6 in. at $0.67, 8 in. $0.81, 10 in. $0.98, 12 in. $1.35, manholes $75, deep house connections $3. Noted June 8.

Cal., Modesto—Sewers in Dist. 1, to Frederickson & Shannon, Cory Bldg., Fresno, $63,215. Noted July 6.

Waste Disposal

BIDS DESIRED

Wis., West Allis—Aug. 14, by Bd. Pub. Wks., 15 ton garbage incinerator, complete with building, to be of sufficient size to permit an additional 15 ton unit when required.

Bridges

PROPOSED WORK

North Carolina — State Hy. Dept., Raleigh, rejected bids opened July 25, rein.-con. bridges and culverts on State Project 131, Gates Co. $27,000. Will readvertise at once. C. M. Upham, state highway engr. Noted Aug. 3.

Ohio—See "Streets and Roads."

Cal., Babgy—Mariposa Co. (Mariposa), having plans prepared 275 ft. steel bridge, 16 ft., over Merced River, incl. 180 ft. span, concrete piers. A. Cowell, 639 19th St., Merced, engr.

Ont., Walkerville—Plans to widen bridge and build new approaches on both sides, Sandwich St. $30,000. C. Forrester, Grand Trunk Ry. office, London, engr.

BIDS DESIRED

Mass., Attelboro—Aug. 24, by Dept. Pub. Wks., constructing 2 concrete bridges, one on Bank St. over Bungay River, other on Water St. over Ten Mile River. J. O. Taber, Jr., supt.; adv. this issue.

Pa., Phila.—Aug. 16, by F. H. Caven, dir. pub. wks., 95.6 ft. steel girder bridge encased in concrete, 50 ft., Front St. and Phila. & Reading R.R. $175,000. S. A. Noyes, city engr.

Ga., Athens—Aug. 22, by Bd. Comnrs. of Roads and Revenues, Clarke Co., steel bridge on River St. T. Wright, clk.; adv. this issue.

Fla., Miami—Aug. 22 (change of date), bridge over Miami River, at Southwest 2nd Ave. F. H. Wharton, city mgr. Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, Mo., engrs. Noted July 27.

Mich., Mottville—Aug. 21, by State Hy. Dept., Lansing, Bridge 781102, 270 ft. long, 20 ft. roadway, three 90 ft. concrete girders, here.

Tex., Houston—Sept. 5, at office City Secretary, bridge across Buffalo Bayou at Sabine St. O. F. Holcombe, mayor.

Col., Denver—Aug. 18, by Dept. Impvts. and Parks, 122 ft. rein.-con. bridge 63 ft., on Federal Blvd. and West 13th Ave. $35,000. A. K. Vickery, City Hall, engr.

BIDS RECEIVED

Delaware — State Hy. Dept., Dover, Smyrna Bridges, Contr. 25-A, (a) 500 cu. yd. excav., (b) 2,000 cu.yd. borrow, (c) 560 cu.yd. Class A concrete, (d) 150 cu.yd. Class B concrete, (e) 45,000 lb. reinforcement, (f) 120 lin.ft. test piles, (g) 1,850 lin.ft. concrete piles, (h) 4,000 ft. b.m. sheet piling, from Baton Constr. Co., Phila., (a) $2.50, (b) $1, (c) $25, (d) $22, (e) $0.05, (f) $2, (g) $4.20, (h) $125, total $31,310; S. S. Jones Contg. Corp., Grand Central Terminal, New York, (a) $3, (b) $1, (c) $27.50, (d) $23, (e) $0.07, (f) $6, (g) $7, (h) $150, total $39,770; L. J. Sieling, Red Bank, N. J., (a) $15, (b) $1, (c) $27, (d) $25, (e) $0.07, (f) $2, (g) $6, (h) $250, total 43,860. Noted July 13.

Delaware—See "Streets and Roads."

Ohio—Dept. Highways and Pub. Wks., Columbus, opened bids July 31, bridges in following counties:

Ashtabula Co., Sect. "R" Cleveland-Buffalo Rd., rein.-con. viaduct, 1,115.2 ft. long, from Pittsburgh Constr. Co., Diamond Bldg., Pittsburgh, Pa., $348,034; Koss Constr. Co., 2818 5th St., Des Moines, Ia., $355,732; C. Shutrump Co., Youngstown, $360,472.

Clark Co., Sect. "N" National Rd., repairing bridge, from C. J. Fox, Brookville, $2,286.

Union Co., Sect. "H" Marysville-Kenton Rd., concrete girder, from G. A. Lofgren, Marysville, $3,756.

Holmes Co., Sect. "B-1" Mansfield-Millersburg Rd., concrete beam bridge, from Shrimplin & Lewis, Killbuck, $5,772.

Knox Co., Sect. "A" Columbus-Wooster Rd., concrete girder, from Logsten & Breckler, Danville, $4,308.

Knoxville Co., Sect. "E" Columbus-Wooster Rd., concrete girder, Logsten & Breckler, Danville, $3,857.

Muskingum Co., Sect. "R" National Rd., rein.-concrete bridge and approaches, from Adams Co., Muskingum Ave., Zanesville, $9,684.

Hancock Co., Sect. "F" Lima-Sandusky Rd., standard concrete girder and abutments, from P. Alge, Arlington, $3,044; Orville Cramer, Findlay, $3,225. Noted July 20.

Minnesota—State Hy. Dept., St. Paul, opened bids Aug. 1, Bridge 3252 on State Project 34-24, steel, one lift span and three 60 ft. approaches, over Mississippi River, Itasca Co., from Minneapolis Bridge Co., Metropolitan Life Bldg., Minneapolis, $45,445, Great Northern Bridge Co., 225 Kasota Bldg., Minneapolis, $48,335. Noted Dec. 16, under "Grand Rapids."

CONTRACTS AWARDED

Maine—State Hy. Dept., Augusta, to Frissell Eng. Co., Gardner, Mass., concrete arch, concrete foundation, over Sunkhaze Stream, in Milford, $14,709, over Costigan Brook, Milford, $10,572; to Smith & Tweedle, Westfield, concrete arch, concrete foundation, over Salmon Stream, Medway, $18,138, Kings Grove Bridge, concrete, Mars Hill, $6,833; foundations of latter, to McCabe & Giovanni, 24 East Concord St., Boston, $1,500; to United Constr. Co., Albany, N. Y., steel superstructure over Dead River, Eustis, $6,992, steel superstructure of Stinchfield Bridge, Leeds, $17,525; stone foundations for latter, to Sanders Eng. Co., Portland, $20,444; to Hunt & Palmer, Island Falls; concrete and stone bridge over Mill Brook, New Limerick, $5,137; Titcomb Bridge, concrete, New Limerick, $8,611; to Roach Bros., Fort Fairfield, concrete and stone bridge over East Branch, Smyrna, $12,384; to T. I. Ellis, 86 Weybosset St., Providence, R. I., Mapleton Bridge, steel, Mapleton, $34,856.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., masonry piers for bridge over Hook Creek Canal on Rockaway Blvd., to P. T. Cox Contg. Co., 154 Nassau St., New York, $38,880.

N. Y., Long Island City—G. A. Whalen, comr. Plant & Structures, Municipal Bldg., New York, reconstructing center pier fender of Meeker Ave. Bridge over Newtown Creek, to Shelbourne & Blake Co., 74 Bway., New York, $19,407. Noted July 20.

N. Y., Long Island City—G. A. Whalen, comr. Plant & Structures, Municipal Bldg., New York, piers for bridge over Beach Channel, Jamaica Bay Blvd., Boro of Queens, to P. T. Cox Contg. Co., 154 Nassau St., New York, $268,900. Noted July 6.

Ohio—See "Streets and Roads."

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, for following bridges: (1) 1 rein.-con. and 1 substructure for steel span, Route 3, Sect. 28-B, McDonough Co., (2) 1 superstructure for steel, Route 3, Sect 38-C, McDonough Co., (3) 5 concrete, Route 3, Sect. 56-B, Greene Co., (4) 1 superstructure for steel, Route 3, Sect. 56-C, Greene Co., (5) 1 concrete Route 11, Sect. L-2, Effingham Co., (6) substructure for steel Route 11, Sect. H-1, Cumberland Co., (7) superstructure for steel Route 11, Sect. H-2, Cumberland Co., (8) 4 concrete, Route 14, Sect. 9-B, Hamilton Co., (9) substructure for steel bridge Project 6, Sect. K-1, Mason-Menard Co., (10) steel superstructure Project 6, Sect. K-2, Mason-Menard Co., (11) 5 concrete, Project 26, Sect. 17-B, McLean Co., (12) 3 concrete Project 34, Sect. 26-B, Clinton Co., (13) 2 concrete Project 34, Sect. 27-B, Clinton Co., (14) substructure for steel, Project 37, Sect. 22-B, Clinton Co., (15) steel superstructure, Project 37, Sect. 22-C, Clinton Co., (16) substructure for steel, Project 39, Sect. 1-B, Carroll Co., (17) superstructure for steel, Project 39, Sect. 1-C, Carroll Co., to D. Alford, Cuba, (1) $12,169; Mississippi Valley Structural Steel Co., Decatur, (2) $6,650, (4) $10,284, (7) $7,518; Herrick Constr. Co., Carlinville, (3) $38,730; W. Behrendt & Co., St. Peter, (5) $12,184, (8) $8,782; W. H. Shons, 109 Spring St., Freeport, (6) $13,128, (12) $12,671; Ferguson Constr. Co., Rockford, (9) $82,982; Illinois Steel Bridge Co., Jacksonville, (10) $14,773, (15) $12,951; E. H. Riebe, Lincoln, (11) $23,266; Zimmerley Bridge Co., Paris, (13) $26,666, (14) $59,312; B. Harrison, Decatur, (16) $2,615; Rochester Bridge Co., Rochester, Ind., (17) $8,294. Noted Aug. 3.

California—State Hy. Dept., Sacramento, 200 ft. steel bridge, concrete floors and piers, over Bear River, Placer and Nevada Counties, to Security Bridge Co., Odgen, Utah, two 100 ft. steel spans erected in place and painted complete, except rein.-con. floor $18,990, 205 cu.yd. Class A Portland cement concrete in place in pier, abutments, wing walls and floor of steel spans $16.40, 470 cu.yd. Class C Portland cement concrete in place in pier, abutments and wing walls $12.55, total $28,260. Noted July 13.

Cal., San Francisco—City and San Francisco Co., constructing bridge at Six Bit Gulch on Hetch Hetchy R. R., furnishing, delivering and erecting 9 single track, deck plate girder bridge spans, each 65 ft. long with appurtenances, 470,000 lb. structural steel, from Union Constr. Co., Balfour Bldg., $26,132, J. G. Williams Constr. Co., 519 California St., $27,260, Dyer Bros., 17th and Kansas Sts., $27,965; constructing piers and abutments, 500 cu. yd. earth and 200 cu. yd. rock excav., 2,200 cu. yd. concrete, from Schultz Constr. Co., 46 Kearney St., $32,940, A. W. Kitchen & Co., 110 Market St., $40,300, M. J. Lyons, 512 Mission St., $40,510; grading roadway for relocation of Hetch Hetchy R. R. at Six Bit Gulch, 4,000 cu. yd. rock, 1,600 cu. yd. loose rock and 2,000 cu. yd. common excav., etc., from M. J. Lyons, 512 Mission St., $7,900, F. Bryant, San Jose, $9,070, General Constr. Co., Sharon Bldg., $9,895. Contracts awarded to lowest bidders. Noted June 29, under Hetch Hetchy.

Dams

PROPOSED WORK

Mich., Menominee—Wisconsin Pub. Service Corp., 559 Marshall St., Milwaukee, plans to improve rein.-con. dam on Menominee River, and construct additional flood capacity in dam in form of tainter gates. $25,000. Mead & Seastone, State Journal Blk., Madison, engrs.

CONTRACTS AWARDED

N. H., Bennington—Monadnock Paper Mills, rein.-con. dam, to Aberthaw Constr. Co., 27 School St., Boston, Mass., $50,000.

Railways

PROPOSED WORK

California—Union Pacific Ry., 610 South Main St., Los Angeles, plan shops and classification yards on 516 acre site adjoining south city boundary of Los Angeles. Work will be supervised from local office. $29,000,000. M. De Brabont, local mgr.

Ontario—Kitchener Street Ry. Co., 67 Joseph St., Kitchener, plans additional trackage, new car barns and three new cars. $70,000. E. Fries, 67 Joseph St., Kitchener, engr. Prices wanted on materials.

CONTRACTS AWARDED

New York—See "Miscellaneous" under New York.

Excavation and Dredging

PROPOSED WORK

Cal., Manteca—South San Joaquin Irrigation Dist., election Aug. 22, to vote on $150,000 bonds for ditch lining and drainage work.

BIDS DESIRED

Conn., Norwalk—Aug. 21, by C. L. Barton, mayor, dredging about 250,000 cu.yd. in Norwalk Harbor; adv. this issue.

Ill., Naples—Aug. 21, by Comrs. Valley City Drainage and Levee Dist., placing 20,000 cu.yd. earth on levee. Randolph-Perkins Co., Naples, or 1210 1st Natl. Bank Bldg., Chicago, engrs.; adv. this issue.

Wis., Jefferson—Aug. 19, by Jefferson Co. Farm Drainage Bd., 6,410 lin.ft. 15-20 in. tile and 7,090 lin.ft. 6-14 in. tile in Farm Drain 2. Private plans.

Minn., Austin—Aug. 25, by O. J. Simmons, aud. Mower Co., Judicial Ditch 5, Sect. O-13, 700 lin.ft. open main ditch, 78,054 cu.yd. excav., 17 floor water inlets, 1 weir and spillway containing 18 cu.yd. concrete, 1 bulkhead; Sect. T-133, 498 lin.ft. of 6-34 in. tile, clay or cement; Sect. L, trenching, laying, backfilling, constructing seventy-nine 24 in. intakes and 2 equalizing wells. G. Cox, Waseca, engr.

Wash., Montesano—Aug. 14, by Comrs. Grays Harbor Co., constructing 28 mi. ditch, 2½ mi. dike, outlets and 100 acres clearing, 150,000 cu.yd. dry earth excav., Diking Dist. 4, Grays Harbor Co.

Ont., Port Frank—Aug. 20, by N. Sitter and O. Walden comrs. Bosanquet, Stephen, West Williams and McGillivray Twps., Lambton Co., dredging and constructing drainage system to reclaim swamp lands, incl. concrete and tile work. $75,000. G. A. McCubbin, 135 King St., Chatham, engr.

BIDS RECEIVED

Ind., Boonville—Warrick Co., 77,650 ft. Cypress Creek Dredge Drain, 1,374,025 cu. yd. earth excav., from R. H. McWilliams, Exch. Bldg., Memphis, Tenn., $123,272. Engrs. est. $150,000. Noted May 18.

Ind., Laporte—For 50 mi. Tuesburg Ditch in Laporte, Pulaski, St. Joseph, Starke, Elkhart, Marshall and Kosciusko Counties, 3,152,000 cu.yd. earth excav., from McWilliams Dredging Co., 332 South Michigan Ave., Chicago, $0.097 per cu.yd.; H. W. Nelson Co., 2088 LaSalle St., Chicago, $0.0971 Pollard & Campbell, 348 Brandeis Theatre Bldg., Omaha, Neb., $0.1095.

Cal., Merced—Merced Irrigation Dist., constructing Le Grande Lake-Yosemite Canal, from C. R. Adams, Biggs; S. D. Miller, Manteca; Blumenkranz & Vernon, Stockton; C. Thompson, Fresno; J. Phillips, Oakland; Isbell Constr. Co., Fresno; Hewitt & Felch, La Habra; Ross Constr. Co., Forum Bldg., Sacramento; G. Pollock Co., Forum Bldg., Sacramento; P. L. Burr, 512 Mission St., San Francisco; Utah Constr. Co., Phelan Bldg., San Francisco; D. A. Foley & Sons, Aitken, Minn. Unit bids on this project will appear in Aug. 17 issue. Noted July 20.

CONTRACTS AWARDED

N. Y., Brooklyn—C. L. Cadle, supt. Pub. Wks., Albany, dredging portion of Henry St. Slip at Gowanus Bay, here, Terminal Contr. 90, to Taylor Dredging Co., Communipaw Ave., Jersey City, N. J., $19,085. Noted Aug. 3.

Ia., Pocahontas—Pocahontas Co., D. D. 114, Sects. 1 and 2, 231,333 cu.yd. excav., to L. Davis, Mason City, $0.084 per cu.yd. excav., $0.01 per cu.yd. leveling banks; D. D. 59, 11,100 cu.yd. excav., to Rude & Wold, Pomeroy, $0.22. Noted June 22.

Cal., Oroville—Excavating 80,000 yd. in main canal of Recl. Dist. 833, to G. Pollock Co., Forum Bldg., Sacramento, $0.35 per yd.

Streets and Roads

PROPOSED WORK

N. Y., Jamestown — Bd. Estimate and Revenue, will pave curb and gutter 2,475 ft. Thayer St., 220 ft. York St., 254 ft. Fulton St., 226 ft. Euclid Ave., 451 Cowden Pl., 442 ft. Grant St., 550 ft. 8th St., 1,206 ft. Stowe St., 1,478 ft. Cook Ave., 1,535 ft. Hall Ave., 1,497 ft. Park St., 1,903 ft. West 6th St., 2,258 ft. Water St., brick on 5 in. concrete, concrete curb and gutter. Work will be done by day labor. L. Bergman, city engr.

N. Y., Rochester—Bd. Contract and Supply soon receives bids asphalt paving Thurston Rd. $25,600, Cummings St. $42,200, Probert St. $12,200, Hillside Ave. $16,000, Zorn St. $11,000, Merchants Rd. $9,200; extending Mazda Terrace $10,000, Weyrich St. $4,000; sewers, grading and walks on Maxwell St. $14,500; sewers Woodbine Ave., $11,000; walks and grading Goodwill St. $2,900; asphalt surface treatment on Tremont St. $3,250, Lake View Park $3,000; opening La Grange Ave. $5,000. C. A. Poole, city engr.

N. Y., Mayville—Chautauqua Co., State and Federal Government plan paving 6 mi. Frewsburg-Fentonville Rd., 16 ft., brick or similar material on concrete, $170,468. S. E. Fitch, Westfield, co. engr.

N. Y., Niagara Falls—Plans paving La Salle Ave. from 24th to Sugar Sts., granite or wood block $43,350, asphalt or brick $40,700, bitulithic or concrete $35,400. W. B. Bennett, Convention Hall, city engr.

W. Va., Clarksburg—Plans concrete paving 1,525 ft. North, Peck, Locust and Faris Sts., 18 ft.; constructing 600 ft. 20 in. vitr. pipe storm sewers in North St., $25,000 and $3,192 respectively. T. S. Lang, city engr.

W. Va., Moundsville — Liberty Dist., Marshall Co., election Aug. 21, to vote on $200,000 bonds for road work. A. Purdy, Moundsville, engr.

W. Va., Ripley—Jackson Co. election Aug. 26, to vote on $150,000 bonds to build roads in Ravenswood Dist. A. W. Paine, Ripley, engr.

North Carolina—State Hy. Dept., Raleigh, rejected bids opened July 25, clearing, grading, topsoiling and corduroy 13.5 mi. State Project 131, Gates Co. $100,000. Will readvertise. C. M. Upham, state highway engr. Noted Aug. 3.

N. C., Durham—New Hope Realty Co. plans grading various streets, draining large park, 1½ mi. concrete street paving, etc. $100,000. J. D. Spinks, Winston-Salem, engr.

N. C., Goldsboro—Plans extending and paving Ashe St. from George to Virginia Sts., and from Herman St. to city limits. $30,000. Contract will probably be let to Union Paving Co., Kinston.

S. C., Laurens—Voted $40,000 bonds for improving and extending various streets.

Fla., Marianna—Plan grading and paving Cambellton Rd., Jackson and Caledonia Sts. $40,000. Engineer not selected.

Fla., Umatilla—Aug. 15, to vote on $37,000 bonds improving various streets. A. Armitage, bond trustee.

Tenn., Knoxville—Knox Co. making plans grading, surfacing, etc., 2.97 mi. Kingstons Pike from city limits west, 18 ft., rock asphalt. $100,000. D. Z. McComb, Nashville, engr.

Ohio—Dept. of Highways and Pub. Wks., Columbus, received no bids July 31, grading, bridging and paving with rein.-con. 1.42 mi. Sect. "K" Columbus-Millersburg Rd., Knox and Licking Counties; grading, bridging and paving with brick or bituminous macadam 0.984 mi. Sect. "L-1" Bucyrus-Upper Sandusky Rd., Wyandot Co.; rein.-con. bridge over Sugar Creek, Sect. "E", Logan-Athens Rd., Athens Co. Noted July 20.

Ohio—Dept. Highway and Pub. Wks., Columbus, cancelled bids which were to be opened July 31 for excavating and paving with brick 3.355 mi. Sect. "O" Wooster-Mansfield Rd., Wayne Co.; grading and bridging 1.187 mi. Sect. "C" Stryker-Evansport Rd., Williams Co.; grading and paving with bituminous macadam 1.549 mi. Sect. "B" Perrysburg-Fosteria Rd., Wood Co.; grading and bridging 2.58 mi. Sect. "D" Stryker-Evansport Rd., Williams Co., constructing 11 ft. bridge Sect. "P" Milford-Hillsboro Rd., Brown Co. Noted July 20.

Ind., Ft. Wayne—Allen Co. plans grading and gravel surfacing 2.67 mi. Klopfenstein Rd., and 2.17 mi. Ruhl Rd., both 18 ft. $26,000 and $25,600 respectively. A. W. Grosevenor, Court House, engr.

Ind., South Bend—St. Joseph Co. plans paving 20,075 ft. C. A. Carlisle Rd., 16 ft., 35,667 sq.yd. concrete on concrete. $92,000. P. R. Gillin, Court House, engr.

Michigan—State Hy. Dept., Lansing, soon takes bids grading and surfacing 5.721 mi. State Trunk Line Rd. 35-3, Delta Co., waterbound macadam; graveling 6 mi. Assessment Dist. Rd. 207, Huron and Tuscola Counties.

Michigan—State Hy. Dept., Lansing, soon takes bids grading 4.731 mi. State Trunk Line Rd. 51-2, Sect. A, Ottawa Co., 50,075 cu.yd. excav. Former bids rejected. Noted July 13.

Mich., St. Johns—Plans paving and curbing 12 blocks, 9,340 lin.ft. concrete curb and gutter, 15,500 sq.yd. concrete, 8,000 cu.yd. excav. $60,000. T. H. Townsend, city mgr.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, rejected bids paving 5.277 mi. Project 27, Sect. 36, Tazewell Co. Noted Aug. 3.

Ia., Sumner—Making plans paving 52 blocks. $165,000. Currie Eng. Co., Webster City, engrs.

Kan., Oskaloosa—Had plans prepared grading 0.603 mi. Golden Belt Rd., Sect. A, Federal Aid Project 133, 29½ ft., 41,205 cu.yd. earth excav., 41.7 cu.yd. concrete, etc. W. M. Irwin, Oskaloosa, engr.

Neb., York—Plans 40,000 yd. paving. A. B. Chatterlon, clk. Scott & Scott, 427 Banker Bldg., Lincoln, engrs.

Missouri—State Hy. Dept., Jefferson City, plans 1.041 mi. state road from Gainesville to Arkansas State Line, State Aid Project 20.187, Ozark Co., 8,956 cu.yd. earth and 1,315 cu.yd. rock excav., 305 cu.yd. borrow, 125.4 cu.yd. concrete, 9,245 lb. reinforcing; 3.274 mi. from Lamonte eastward and westward, State Air Project 20.172, Pettis Co.; 13,522 cu.yd. earth excav., 6,098 cu.yd. borrow, 1,188 cu.yd. concrete, 11,576 lb. reinforcing; 2.803 mi. from La Plata southward, State Aid Project 20.18, Macon Co.; 15,868 cu.yd. earth excav., 152.3 cu.yd. concrete, 10,729 lb. reinforcing; 2.102 mi. from Boonville southwestward, State Aid Project 20.162, Cooper Co.; 9,138 cu.yd. earth excav., 2,542 cu.yd. borrow, 25.6 cu.yd. concrete, 1,300 lb. reinforcing; 4.571 mi. from Monett to Eureka Springs, Federal Aid Project 151, Barry Co.; 19,635 cu.yd. earth excav., 785 cu.yd. borrow, 100 cu.yd. per 100 ft. overhaul, 125.7 cu.yd. Class B concrete, 8,909 lb. reinforcing; 4.116 mi. from Hermann to Drake, State Aid Project 20,185, Gasconade Co., 5,062 cu.yd. earth and 327 cu.yd. rock excav., 2,054 cu. yd. borrow, 68 cu.yd. concrete, 3,021 lb. reinforcing, 28,976 sq.yd. gravel surfacing, 12 ft. wide, 7 in. at center, 4 in. at edge. All above 24 ft. wide. B. H. Piepmeier, state highway engr.

Tex., Rio Grande—Starr Co. making plans grading and gravel surfacing 47 mi. Brownsville-Laredo Highway, 16-18 ft. $350,00. P. S. Devine, Pharr, engr.

Wash., Seattle—Plans paving Olive Way from Bellevue to John Sts. $200,000. A. H. Dimock, city engr.

Cal., Fresno—Had plans prepared improving Faris Ave. between Belmont and Olive Aves., 107,610 sq.ft. grading, 98,204 sq.ft. asphaltic pavement, 9,030 sq.ft. concrete gutter, etc. W. Stranahan, city engr.

Cal., Marysville—Yuba Co. having plans prepared and soon takes bids grading and macadamizing 2½ mi. Ostrom Station Rd. L. Crook, co. surv.

Cal., Merced—Having plans prepared improving 9 blocks 256,000 sq.ft. 1½ in. warrenite bitulithic on 3½ in. asphaltic concrete, 8,500 lin.ft. concrete curbs, etc. C. D. Martin, city engr.

Cal., Reedley—Received no bids oil surfacing 1,931,700 sq.ft. varios streets. It is expected that new proceedings will be started and new bids asked. J. S. Bates, Rowell Bldg., Fresno.

Cal., San Diego—Had plans prepared improving Ft. Stockton Dr., Montecito, Palmetto and Plumosa Ways, Stephens, Randolph and Jackdaw Sts., 121,558 sq.ft. 1½ in. asphaltic concrete on 4 in. portland cement concrete, 6,636 sq.ft. cement concrete sidewalks, etc. F. A. Rhodes, city engr.

Cal., San Diego—Had plans prepared improving Imperial, Clinton, Wabash, Franklin, Woolman, Supurba, Superior, Ada, Gilmore and Milbrae Aves., 37th, 38th, 39th and 40th Sts., 21,320 lin.ft. cement curbing, 2,115 sq.ft. cement gutter, 104,265 sq. ft. cement sidewalks, 17,379 cu.yd. excav., 7,676 cu.yd. earth embankment; 30th St., Utah and Works Aves., 464 lin.ft. cement sidewalks, 4,177 sq.yd. 2½ in. asphaltic concrete base, 1½ in. top; Adams Ave., 4,860 lin.ft. cement curbing, 22,864 sq.ft. cement sidewalks, 10,972 sq.yd. 4 in. concrete base with 1½ in. asphaltic concrete top. F. A. Rhodes, city engr.

Cal., Santa Rosa—Sonoma Co. having plans prepared constructing 3 mi. Dillons Beach Rd. from D St., Petaluma city limits to Marin Co. line. R. P. Smith, co. surv.

Cal., Sausalito—Having plans prepared paving various streets, 1 mi. with 5 in. concrete and 1 mi. with 5 in. asphalt macadam. Howe & Peters, 24 California St., San Francisco, engrs.

Cal., Yreka—Supervs. Siskiyou Co. rejected bids opened July 3, constructing 3½ mi. McCloud-Bartle Rd. H. J. Sarter, co. surv. Noted June 29.

Que., Montreal—Plans paving with asphalt 750 ft. Belaine Ave. from Sherbrooke to Terrebonne Sts., 45 ft., $15,981; 187 ft. Fort St. from Sherbrooke to Comte Sts., 50 ft., $5,600; 937 ft. Closse St. from Sherbrooke to St. Catheine Sts., 50 ft., $21,121. E. Blanchard, Dept. Rds., engr.

Que., Montreal—Metropolitan Comn. soon takes bids sidewalks in North. $25,000.

Que., Montreal—Plans 2,437 ft. asphalt pavement, 65 ft. $104,212. E. Blanchard, road engr.

BIDS DESIRED

N. Y., Brooklyn—Aug. 16, by E. Riegelmann, boro pres., Boro Hall, regulating and paving Crown, East 2nd, East 15th and 59th Sts., Kermit Pl., Ave. L., Riverdale and 10th Aves., resurfacing Diamond St.;

Streets and Roads (Continued)

grading East 15th St.; grading, curbing and flagging 10th Ave., recurbing 66th St.; repaving De Kalb, Washington and 18th Aves.

N. Y., New York—Aug. 16, by H. Bruckner, pres. Bronx Boro, Municipal Bldg., Crotona Park, paving roadway, furnishing and adjusting curbs and sidewalks, building receiving basins, etc., East 178th St. from Anthony Ave. to Grand Blvd. and Concourse, asphalt on concrete; grading, setting curb, laying sidewalks, building inlets, receiving basins, etc., in Weiher Court from Washington Ave. to point about 144 west of 3rd Ave. and paving with bituminous concrete on cement concrete, from Washington to 3rd Aves.; Rochambeau Ave. from East 206th St. to northerly line of former Niles Estate, about 210 ft. south of Van Courtlandt Ave. E. and East 206th St. from Mosholu Parkway N., to Bainbridge Ave.; sewers and appurtenances in Mayflower Ave. between existing drain in Westchester Ave. and Middletown Rd. and in Roberts Ave. between existing drain in Westchester and Edison Aves., Pilgrim Ave. between Roberts Ave. and Middletown Rd.; Tyndall Ave. between West 261st and West 263rd Sts.; Kingsland Ave. between Boston Rd. and Chester St.; Delafield Ave. between end of existing sewer about 255 ft. north of West 261st and 263rd Sts.; Guion Pl. between Beach and St. Lawrence Aves.; Pierce Ave. between Sackett Ave. and point about 110 ft. west of Ten Broeck Ave., Hering Ave. between Pierce and Van Nest Aves., and in Yates Ave. at Pierce Ave.

N. Y., St. George—Aug. 15, by J. A. Lynch, pres, Richmond Boro, concrete sidewalk on Patten St. from Elliott to Hopping Aves., on Amboy Rd. from point 840 ft. northeasterly from Page St. to Richmond Valley Rd.; concrete curb with steel guard, concrete gutters, etc., on Clove Ave. from Mosel Ave. to Fingerboard Rd.

N. Y., Upper Nyack—Aug. 17, by Village Trustees and President, 14,000 sq.yd. rein.-con. pavement. H. E. Breed, 507 5th Ave., New York, engr.; adv. this issue.

N. J., Cape May—Aug. 15, by City Comrs., 23,000 sq.yd. portland cement concrete or bituminous surface; adv. this issue.

N. J., Long Branch—Aug. 15, by Bd. Comrs., paving Ocean Ave. from Sea View to Brighton Aves., etc. J. W. Seaman, city engr.; adv. this issue.

N. J., Princeton—Aug. 21, by Twp. Com., rein.-con. pavement with cement concrete surface on old macadam foundation. Sincerbeaux & Moore, 705 Amer. Mechanic Bldg., Trenton, and Asbury Park Trust Co. Bldg., Asbury Park, engrs.; adv. this issue.

Pa., Sharon—Aug. 15, by W. M. Stewart, city clk., paving 665 sq.yd. Porter Way, 3,000 sq.yd. cement sidewalks, 175 lin.ft. stone curb, 450 ft. reset stone curb, 1,550 sq.yd. South Dock St., 736 ft. stone curb; 2,815 sq.yd. George St.; brick on rolled slag or sheet asphalt on concrete. L. Burnside, city engr.

Delaware—Aug. 23, by State Hy. Dept., Dover, Laurel Bridge, steel superstructure, Contr. 41-A; 0.427 mi. road through Townsend, Contr. CN-8; 0.2 mi. road through St. Georges, Contr. CN-9; adv. this issue.

Va., Charles City—Aug. 15, by J. M. Gill, chn. Bd. Highways, Charles City Co., gravel surfacing 7.24 mi. road from forks of road near Charles City to fork of roads at Graves Shop, 20 ft.; 4.33 mi. road from Mt. Pleasant Church to Henrico Co. line, 20 ft. State Highway Dept., Richmond, engrs.

North Carolina—Aug. 30, by State Hy. Comn., Raleigh, grading and paving 9.87 mi. State Project 460, Orange Co., 11,600 cu.yd. excav., 104,230 sq.yd. concrete or asphaltic paving. $280,000. C. M. Upham, state highway engr.

N. C., Salisbury—Aug. 14, by Mayor and Bd. Aldermen, 1,584 sq.yd. asphaltic concrete on 5 in. concrete, 13,135 ft. granite curb 5 x 18 in., 865 ft. circular granite curb 5 x 18 in., 12,100 ft. combined concrete curb and gutter, 7,500 cu.yd. excav., etc. J. W. Webb, Salisbury, engr.

Fla., Clearwater—Aug. 17, by Bd. Comrs. Pinellas Co., improving Haines Rd. from St. Petersburg to Dellwood, relaying 65,750 sq.yd. brick with bituminous filler, 11,800 sq.yd. cut or pressed brick with bituminous filler, 55,550 sq.yd. 6 in. compacted rock, shell or marl base for shoulders, 10,200 sq.yd. rock, shell or marl shoulders taken up and relaid, 700 cu.yd. added to shoulders, 65,700 sq.yd. sheet asphalt, 1 in. binder, 1½ in. wearing surface, or 65,700 sq.yd. bituminous macadam penetration, 30,000 lin.ft. 4 x 10 in. concrete curb to be relined or 74,330 sq.yd. vitr. brick with bituminous filler, 168,890 lin.ft. 4 x 12 in. concrete curb. $232,000. C. E. Purleson, Clearwater, engr.

Ala., Carrollton—Aug. 14, by Comrs. Pickens Co., improving 8 mi. roads between here and Pickensville, and between Aliceville and Pickensville, 28,000 cu.yd. excav., 9,800 cu.yd. gravel haul 1 mi., 11,200 units gravel overhaul ½ mi., 158 cu.yd. concrete, 10,200 lb. reinforcing.

Tenn., Rutledge — Aug. 19, by Comrs. Grainger Co., grading 50 mi. and macadam paving 25 mi. various roads, 22 ft. $204,000. W. Bewely, Rutledge, engr. Noted Aug. 3.

Ky., Henderson—Aug. 23, by Comrs. of Pub. Wks. and Property, improving 5.115 ft. 2nd St. C. F. Hall, mayor; adv. this issue.

O., Akron—Aug. 22, by M. P. Tucker, service dir., grading and paving 534 ft. Lakemont Ave., 26 ft., 1,585 sq.yd. vitr. brick on 6 in. concrete, 1,000 lin.ft. stone curbing, 4,800 sq.ft. cement sidewalk, 1,600 cu.yd. earth excav., $12,000, Newman St., 2,375 sq.yd. vitr. brick or asphalt on 6 in. concrete, 2,500 cu.yd. earth excav., 1,715 lin.ft. stone curbing, $16,000, 150 ft. Delbeth Rd., 26 ft., 800 sq.yd. vitr. brick or asphalt on 6 in. concrete, 290 lin.ft. stone curbing, 18,500 lin.ft. cement sidewalk, 600 cu.yd. earth excav., $6,300, 500 ft. Carpenter St., 24 ft., 1,200 sq.yd. vitr. brick or asphalt on 6 in. concrete, 884 lin.ft. stone curbing, 3,000 cu.yd. earth excav., $8,500; grading and walks on 3,000 ft. Pitkin Ave., 6 ft., 36,700 sq.ft. cement sidewalk, 11,700 cu.yd. earth excav., 1,900 cu.yd. cinders or gravel, $16,900, 1,200 ft. Carlye St., 6 ft., 17,000 sq.ft. cement sidewalk, 4,400 cu.yd. earth excav., 750 cu.yd. cinders or gravel, $7,800, 1,300 ft. McKinley Ave., 6 ft., 2,000 sq.ft. cement sidewalk, 2,000 cu.yd. earth excav., 8,000 cu.yd. cinders, $5,400; grading, paving and sewers in 740 ft. School St., 24 ft., 2,050 sq.yd. vitr. brick or asphalt on concrete, 1,400 lin.ft. stone curbing 7,800 sq.ft. cement sidewalk, 2,000 cu.yd. earth excav., 740 lin.ft. 30 in. trunk sewer, $18,000. C. A. Kemmler, Delaware Bldg., engr.

O., Cleveland—Aug. 19, by Comrs. Cuyahoga Co., Court House, paving Lee Rd. 4, $51,512; grading and paving Royalton Rd. 5 and Huffman Rd., $25,495. F. J. Lander, County House, engr.

O., Columbus—Aug. 15, by W. H. Duffy, dir. Pub. Service, grading, paving and laying water and sewer connections, in Brunson Ave., from Broad St. to Clifton Ave., 1185 ft. long, 26 ft. wide, asphalt, $14,056, brick, $16,067; 5th Ave., from Perry St. to alley west of Parker St., 6485 ft., 36 ft. and 30 ft. wide, brick, $120,440, asphalt $108,193; 5th Ave., from Sunbury Ave. to 490 ft. east of Nelson Rd., 2099 ft., 30 ft. wide, brick, $37,158, asphalt $35,205; 4th Ave., from Washington to St. Clair Aves., 1487 ft. long, 26 ft. wide, brick $25,983, asphalt, $23,147; Mill St., from Scott to State Sts., 1585 ft. long, 26 ft. wide, brick, $20,210, asphalt $18,435; 16th Ave. from Lexington Ave. to Brooks Ave., 1913 ft. long, 26 ft. wide, brick $34,194, asphalt $29,983; Alley north of 9th Ave. from Hunter to Highland Sts., 299 ft. long, 20 ft. wide, brick, $2,347, concrete $1,761; Alley north of Maynard Ave., from Adams Ave. to alley west of Indianola Ave., 884 ft. long, 15 ft. wide, brick, 5,961; concrete, $4,048; sanitary sewer in Bynhild Rd., from Walhalla to Midgard Rds., etc., 1710 ft. long, 8 in. sewer, $3,697; sanitary sewer in Kian Ave. from first alley east of Parsons Ave. to second alley east of Parsons Ave., 480 ft. long, 24 in. sewer, $2,240.

O., Columbus — Aug. 16, by Comrs. Franklin Co. paving 1.34 mi. Boehm Rd., 16 ft. bituminous macadam, $30,182; grading and paving 0.492 mi. Belknap Rd., Plain Twp., 16 ft., waterbound macadam, $10,046. C. C. Lattimer, Courthouse, engr. Noted July 27.

Michigan—Aug. 15, by State Hy. Dept., Lansing, grading and surfacing 5.721 mi. State Trunk Line Rd. 35-3, Delta Co., 26,495 cu.yd. excav., 53,663 sq.yd. waterbound macadam.

Wis., Mellen—Aug. 18, by C. W. Macomber, clk., paving Bennett and Main Sts., 5,175 lin. ft. combined concrete curb and gutter, 11,700 sq.yd. rein-con., 1,600 cu.yd. gravel filling, 4,000 cu.yd. earth excav. Private plans.

Wis., Waterloo—Aug. 18, by E. H. Hagel, clk., paving North Monroe and Washington Sts., rein-con., amorplated concrete or vibrolithic method, incl., 5,980 lin. ft. concrete curb and gutter, 1,950 cu.yd. earth excav., 8,530 sq.yd. concrete, 470 lin.ft. 12-15 in. storm sewer. Parsons & Orbert, 216 West Water St., Milwaukee, engrs.

Ia., Mason City—Aug. 14, rein.-con. paving 1 mi. 4th St., S. E., and Commercial Alley. $30,000. H. W. Ewen, clk.

Ia., Ottumwa—Aug. 14, paving 1 mi. Fellows and Lincoln Aves., South McLean and Lamboth Sts., and alleys. $35,000. J. T. Brady, Ottumwa, engr.

Ia., Pella—Aug. 21 for (a) repair to present pavement (b) resurface 36,200 sq. yd. asphalt Class 1, asbestophalt Class 2 or tarvia Class 3, 1 in. thick, 109 ton asphaltic concrete binder. $30,000. Former bids rejected. Price & MacCormack, Missouri Valley, engrs. Noted July 27.

Minnesota—Aug. 18, by State Hy. Dept., St. Paul, 12 mi. State Project 13-01, Federal Aid Project 294, 265,780 cu.yd excav., portable and monolithic culverts, Bridge 3874, 35 ft., and Bridge 3875, 50 ft., 20 ft. roadways, both concrete, $65,000; 1 mi. State Project 21-03, 21,000 cu.yd. excav., portable and monolithic culverts, $5,000, both in LeSueur Co. State Hy. Dept., engrs.

Minn., St. Paul—Aug. 14, by H. W. Austin, city purch. agt., paving about 57,786 sq.yd. various streets, 3 in. creosoted wood blocks. $200,000. O. Claussen, city engr.

Minn., Waseca—Aug. 15, by Waseca Co., for 11 mi. State Rd. 3, Job 2205, 13,800 cu.yd. gravel surfacing. Former bids rejected. J. W. Krusks, Waseca, engr. Noted July 6.

Kan., El Dorado—Aug. 29, by Comrs. Butler Co., paving 5.192 mi. Kellogg Rd., Sect. B, Federal Aid Project 90, 18 ft., brick or concrete. H. D. Barnes, El Dorado, engr.

Ark., Jonesboro — Aug. 17, by Comrs. Lake City Nettleton and Bay Road Impvt. Dist. 1, Craighead Co., at office of E. E. Randolph, secy., surfacing 120,750 sq.yd. various streets. Klyce & Kackley, 720 4th and 1st Natl. Bank Bldg., Nashville, Tenn., engrs.; adv. this issue.

Ark., Little Rock—Aug. 30, by Bd. Comrs. Pulaski Road Impvt. Dist. 10, at auditorium of Bd. Commerce, 40 mi. streets and roads. D. A. MacCrea, 215 Gazette Bldg., engr.; adv. this issue.

Tex., Tahoka—Aug. 15, by J. R. Singleton, mayor, paving 1 mi. Main St., 20,333 sq.yd (a) concrete, (b) 3 in. vertical fibre brick on rolled stone or natural foundation, (c) natural rock asphalt on rolled stone base, incl., 3,846 lin. ft. concrete curbing, 1,222 lin.ft. gutter, 8,054 cu.yd. earth excav., 20,333 sq.yd. bituminous macadam. $50,000. Elrod Eng. Co., 3206 Elm St., Dallas, engrs.

Tex., Wellington—Aug. 15, by City Clerk, for 10,500 sq.yd. concrete, brick, vibrolithic or bitulithic pavement. Mackintosh Co., Oklahoma City, engrs.; adv. this issue.

Oklahoma — Aug. 15, by E. Alderman, state highway engr., 6.958 mi. Federal Aid Project 60, Sects. A, B and D, Oklahoma Co., Sect. A involves 21,069 cu.yd. excav., 2,745 cu.yd. borrow, 317.91 cu.yd. concrete, 24,340 lb. reinforcing steel, 53,133 sq.yd. wearing surface; Sect. B, 7,015 cu.yd. excav., 4,035 cu.yd. borrow, 123.21 cu.yd. concrete, 11,028 lb. reinforcing, 16,120 sq. yd. wearing surface; Sect. D, 77,153 cu. yd. earth borrow, 4,270 sq.yd. wearing surface.

Col., Denver—Aug. 16, by Dept. Impvts. and Parks, paving 12 blocks Alley Paving Dist. 85, 16-20 ft., 14,025 sq.yd. concrete. $29,467. A. K. Vickery, City Hall, engr.

Col., Denver—Aug. 17, by Dept. Impvts. and Parks, paving 1¼ mi. Sante Fe Dr. Paving Dist. 1, 36 ft., 22,750 sq.yd. asphalt. $60,300. A. K. Vickery, City Hall, engr.

Washington—Sept. 5, by State Hy. Comn., Olympia, grading and graveling 20 mi. new location on Yakima Canyon section of Inland Empire Highway, from Yakima to Ellensburg. $700,000. J. Allen, state hy. engr.

California—Aug. 28, by State Hy. Comn., Sacramento, grading 8.4 mi. highway between ¾ mi. south of northern boundary line of Napa Co. and 1½ mi. west of Calistoga, Napa Co., 13.1 mi. road between Anderson Canyon and Sur River, Monterey Co.; grading and paving with bituminous macadam 2.7 mi. highway between south west ¼ Sect. 23 T. 11 N., R. 24 W., S. B. B. & M. and Maricopa, Kern Co.; paving with portland cement, concrete shoulders, 9.1 mi. road between Saugust and ¾ mi. northwest of Castaic School, Los Angeles Co. A. B. Fletcher, state highway engr.

Cal., Visalia—Aug. 14, by City Council, improving portions of Northeast 2nd, Northwest 2nd and Northeast 3rd Aves. L. H. Gadsby, city engr. Noted July 27.

Ont., Chatham—Takes bids about Aug. 29, asphalt pavements on Lorne Ave., Elizabeth, St. George and Queen Sts. $55,000. C. H. Fuller, city engr.

Que., Verdun—Aug. 16, asphalt paving, 8,076 ft. Verdun Ave. from Tail Race Bridge to Woodland Ave., 40 ft., and 2,287 ft. Mullarky St. from Wellington St. to Verdun Ave., 32 ft., $125,000. M. A. Hadley, city engr.

Streets and Roads (Continued)

BIDS RECEIVED

Connecticut—C. J. Bennett, state highway comr., Hartford, opened bids July 26, paving 20,125 ft. Willimatic Rd. in Coventry, 1,800 sq.yd. cobble gutter, 15,540 cu.yd. earth and 3,060 cu.yd. rock excav., 41,300 sq.yd. 3 in. bituminous macadam on 7,900 cu.yd. native stone base, from L. Suzio Constr. Co., State and Brooks Sts., Meriden, $96,918, Arborio Road Constr. Co., 408 Main St., Hartford, $104,774, A. Vito Constr. Co., Norwich, $108,703; 2,650 ft., Fox Hill Rd., 20 ft. in Norwich, 3,530 sq.yd. vitr. brick, 620 cu.yd. concrete, 1,100 sq.yd. cobble gutter, 2,400 cu.yd. earth and 300 cu.yd. rock excav., 590 cu.yd. concrete base, from A. G. Bianchi, Norwich, $28,288, A. Vito Constr. Co., Norwich, $32,228, F. D. Miller Co., R. F. D. 6, Norwich, $32,702. Noted July 20.

N. Y., New York—H. Bruckner, boro pres. Bronx Boro, Municipal Bldg., Crotona Park, adjusting curb and sidewalks, and paving roadway Valentine Ave. from Burnside Ave. to Kingsbridge Rd. at East 192nd St. asphalt on concrete, to Regan-Towers Co., 124 West 121st St., $132,389; grading, setting curb, sidewalks, building inlets, receiving basins, approaches, etc., East 228th from Paulding to Laconia Aves., to M. De Balso, 660 East 221st St., $8,031; sewers and appurtenances in Middletown Rd. between Westchester and Edison Aves. to J. L. Sigretto & Co., Woodhaven, Long Island, $10,993. Noted July 27.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., opened bids Aug. 2, (1) widening and repaving widened portion roadway West 57th St. from 6th to 7th Aves., asphalt on concrete, (2) repaving roadway South St. and Marginal St. wharf or place on East River from Peck Slip to Montgomery St., (3) roadway of West St. and Marginal St. wharf or place on North River from Cortlandt to Duane Sts., granite block on concrete; (4) alterations and improveemnts to sewer in West 57th St. between 5th and 6th Aves., from Asphalt Constr. Co., 208 Bway., (1) $14,818, (2) $444,180, (3) $354,311; Regan-Towers Co., 124 West 121st St., (1) $17,945, (2) $442,564; Interboro Asphalt Co., 233 Bway., (1) $19,615; W. J. Fitzgerald, 547 West 45th St., (2) $413,317, (3) $355,154; J. Meehan & Son, 74 Cortlandt St., (3) $355,-845; J. Burns, 103 East 125th St., (4) $36,-467; T. A. Reilly Co., 48 East 41st St., (4) $44,615; P. J. Kearns Contg. Co., 2306 Creston Ave., (4) $49,041. Noted July 27.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., widening and repaving widen end portion (1) Madison Ave. from 60th to 61st Sts. (2) roadway 57th St. from 5th to 6th Ave., repaving (3) roadway 50th St. from Madison to 6th Aves. (4) roadway 51st St. from point 50 ft. west of westerly house line Park Ave. to 8th Ave. (5) constructing sewers and reconstructing existing sewers Carmine St. from Varick St. to point 106 ft. east of east building line of Bleecker St., asphalt on concrete, from J. E. Gaffney, 438 East 91st St., (1) $2,715 (3) $24,314; Interboro Asphalt Co., 233 Bway, (1) $2,758 (2) $38,382 (4) $52,919; Brusstar Constr. Co., Harlem River and 150th St. (1) $2,832 (2) $33,133 (3) $22,916 (4) $50,244; Asphalt Constr. Co., 208 Bway. (2) $30,480 (3) $22,480; W. J. Fitzgerald, 547 West 45th St., (3) $22,636 (4) $48,847; P. McGovern, 50 East 42nd St., (5) $235,700; Necaro Co., Inc., 97 Court St., Brooklyn, (5) $249,000; Carroll Contg. Co., 103 Park Ave., (5) $257,000. Noted Aug. 3.

N. Y., Brooklyn—E. Riegelmann, pres. Brooklyn Boro, Boro Hall, opened bids Aug. 2, repaving (1) roadway Church Ave. from Flatbush to Rogers Aves., (2) roadway Porter Ave. from Johnson Ave. to Ingraham St., (3) roadway 17th Ave. from 86th St. to Cropsey Ave., asphalt on 6 in. concrete, (4) roadway Ralph Ave. from Macon St. to Atlantic Ave. and from Bergen St. to St. Marks Ave., (5) roadway Ralph Ave. from Atlantic Ave. to Bergen St., asphalt and grade 1 granite on 6 in. concrete, from Borough Asphalt Co., 1301 Metropolitan Ave., (1) $27,013, (2) $3,563, (3) $26,341; Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., (1) $27,908, (3) $28,462; Cranford Co., 52 9th St., (1) $27,930, (2) $3,383, (3) $25,646, (4) $58,766; Sicilian Asphalt Paving Co., 41 Park Row, New York, (2) $3,215, (4) $56,340; J. Meehan & Son, 74 Cortlandt St., New York, (5) $22,347; M. J. O'Hara, 717 65th St., (5) $25,528. Noted July 27.

Pa., Erie—Opened bids Aug. 1, paving Chestnut St., asphalt, from Mayer Bros. Constr. Co., Erie, $22,541, J. and M. Doyle Co., Erie, $23,552, engrs. est. $25,000; also 12 in. sanitary tile sewer in Elmwood Ave., from V. Calabreese, Erie, $4,755, J. McCormick, Erie, $5,706, engrs. est. $5,900. Noted July 27.

Delaware—State Hy. Dept., Dover, 1.5 mi. limestone road, Contr. CN-5, (a) 13,-500 cu.yd. excav. (b) 1,200 cu.yd. borrow, (c) 800 cu.yd. rock excav., (d) 160 ton base course, (e) 2,880 cu.yd. concrete pavement, (f) 1,700 sq.yd. concrete gutter, from A. H. McDowell, Marshallton, (a) $0.90, (b) $1, (c) $2, (d) $4.25, (e) $13, (f) $2, total $72,848; F. Gillespie, Oakview, Pa., (a) $0.85, (b) $0.80, (c) $2, (d) $5.50, (e) $14.25, (f) $2.52, total $75,164; Sherman & Rhodes, Frederica, (a) $0.85, (b) $0.85, (c) $2, (d) $4, (e) $14, (f) $2, total $75,460. Noted July 13.

Ohio—Dept. Highways and Pub. Wks., Columbus, opened bids July 31, grading and paving roads with (a) rein.-con., (b) asphalt macadam, (c) tar macadam, (d) Kentucky rock asphalt, (e) bituminous macadam oil, (f) brick, (g) bituminous macadam asphalt, (h) bituminous macadam asphalt oil or lake, (i) asphalt macadam oil, (j) monolithic brick in following counties:

Allen Co., Sect. "Elida" Lima-Delphos Rd., 0.494 mi., from F. A. Frobase & Co., 628 West North St., Lima, (a) $15,091, Allen Co., Sect. "F" Lima-Delphos Rd., 4.178 mi., from N. B. Putnam, Van Wert, (b) $89,799, (c) $89,574, (d) $112,814, (e) $116,167; F. A. Probase & Co., 628 West North St., Lima, (b) $99,968, (c) $100,869, (d) $122,284, (e) $119,863; E. L. Reeb, Lima, (b) $103,273, (c) $103,273, (d) $123,-738, (e) $129,311.

Ashtabula Co., Sect. "R" Cleveland-Buffalo Rd., 0.371 mi. from Pittsburgh Constr. Co., Diamond Bldg., Pittsburgh, (f) $31,-508; C. Shutrump Co., Home Savings & Loan Bldg., Youngstown, (f) $31,508; S. Rae, Oliver Bldg., Pittsburgh, (f) $31,508; Koss Constr. Co., 2818 5th St., Des Moines, Ia., (f) $31,508.

Fulton Co., Sect. "C" and "Wauseon," Waseon-Napoleon Rd., 0.998 mi. from La Boiteaux & Hayes, Toledo, (a) $28,903; J. E. Karch & Son, Celina, (a) $29,797.

Fulton Co., Sect. "L-1" Archibald-Fayette Rd., 1.018 mi., from La Boiteaux & Hayes, Toledo, (a) $20,300, (b) $18,036; J. E. Karch & Son, Celina, (a) $21,382.

Harrison Co., Sect. "1-2" and "K" Bridgeport-Cadiz Rd., 5.165 mi., from Curry & Hayes, Easton, (g) $153,804, (c) $154,848; R. H. Shafer Co., Chamber of Commerce Bldg., Columbus, (g) $154,502; Kane Bros., Youngstown, (c) $153,459; Wilson-Miller Co., Barnesville, (c) $155,546.

Jefferson Co., Sect. "A" Mingo-Smithfield Rd., 3.714 mi., from E. A. Hetcher, Mingo Junction, (g) $105,467, (c) $105,465; Jones Constr. Co., Salem, (g) $109,213; H. F. Daugherty, Steubenville, (c) $100,344; Wilson-Miller Co., Barnesville, (c) $107,165.

Jefferson Co., Sect. "New Alexandria" Mingo-Smithfield Rd., 0.227 mi., from E. A. Hatcher, Mingo Junction, (h) $7,688, (c) $7,688; Jones Constr. Co., Salem, (h) $8,-138; H. F. Daugherty, Steubenville, (c) $7,698; Wilson-Miller Co., Barnesville, (c) $8,180.

Mercer Co., Sect. "Celina" Celina-Wabash Rd., 0.261 mi. from Hinton & Smalley, Celina, (a) $12,521, (f) $17,575; Lynn Constr. Co., Paulding, (a) $12,556; J. E. Karch & Sons, Celina, (a) $13,061, (f) $17,585.

Morgan Co. Sect. "C" McConnellsville-Zanesville Rd., 2.1 mi., from Wilson Contg. Co., Newark, (i) $56,233.

Muskingum Co., Sect. "F-2" Zanesville-New Lexington Rd., 1.648 mi., from Adams Bros. Constr. Co., Zanesville, (f) $82,426; Daley & Border, Sonora, (d) $74,295; J. Wroe, 54 Davies St., Dayton, (d) $24,460.

Putnam Co., Sect. "N" Lime-Ottawa Rd., 2.718 mi., from Acton Bros., Vaughansville, (d) $59,969; O. L. Smith, Leipsic, (d) $60,-629; J. Wroe, 54 Davies St., Dayton, (d) $70,990.

Seneca Co., Sect. "Attica" Columbus-Sandusky Rd., 0.35 mi., from R. M. Myers, Attica, (f) $29,219; Central Paving Co., Hamilton, (f) $30,350.

Shelby Co., Sect. "Anna" Sidney-Wapakoneta Rd., 0.516 mi. from Roth & Schafer, Botkins, (a) $17,008; J. Franz, Sidney, (a) $17,312; Elass & Meyer Co., Anna, (a) $17,627.

Shelby Co., Sect. "Botkins" Sidney Wapakoneta Rd., 0.507 mi. from Roth & Schafer, Botkins, (a) $13,974; Elass & Meyer Co., Anna, (a) $14,064; J. Franz, Sidney, $14,-236.

Tuscarawas Co., Sect. "P-2" Newcomerstown-Uhrichsville Rd., 1.338 mi., from W. M. Bode Co., Newcomerstown, (j) $53,483. Noted July 20.

Indiana—State Hy. Dept., Indianapolis, opened bids July 27, paving 18,480 ft. State Rd. 33, 16 ft., 32,833 sq.yd. concrete on concrete, from J. C. O'Connor & Sons, Ft. Wayne, $71,686; Public Constr. Co., Hammond, $78,991; W. J. Meese & Co., Frankfort, $80,966. Engrs. est. $75,000.

Ind., Indianapolis—Comrs. Marion Co., opened bids July 27 paving 16,200 ft. Claypool Rd., 16 ft., 28,782 sq.yd. concrete on concrete, from C. O'Hair, 901 North East St., $75,550; W. J. McKee, 3336 West Vermont St., $86,000. Engrs. est. $125,000.

Michigan—State Hy. Dept., Lansing, grading and waterbound macadam surfacing 2.064 mi. Assessment Dist. Rd. 235, Saginaw Co., from J. W. Ederer & Co., Saginaw, $33,215. Noted July 20.

Michigan—State Hy. Dept., Lansing, opened bids July 21, grading and surfacing 5.383 mi. Federal Aid Project 84, Sects. A and B, Monroe Co., from Bartling & Dull, Pontiac, $129,925; R. D. Baker Co., 1454 Penobscot Bldg., Detroit, $136,054. Noted July 13.

Michigan—State Hy. Dept. opened bids July 28, grading and concrete surfacing 2.564 mi. State Trunk Line Rd. 13-16, Kent Co., from Whiting Constr. Co., Grand Rapids, $49,137; New Era Road Building Co., New Era, $51,289; C. Marsman, Grand Rapids, $51,687. Noted July 20.

Minnesota—State Hy. Dept., St. Paul, opened bids Aug. 1, 11 mi. State Project 9-29, Federal Aid Project 289, Houston and Fillmore Counties, Div. A, grading, from A. F. Lehrer, Melrose, $8,334, Winston Bros. Co., 801 Blobe Bldg., Minneapolis, $8,828; Div. B, grading, from J. J. and M. S. Mergens, 403 Kasota Bldg., Minneapolis, $67,066. Monolithic culverts, J. J. and M. S. Mergens, 403 Kasota Bldg., Minneapolis, $3,440.

State Project 11-21, Federal Aid Project 252, 10.8 mi., Roseau Co., grading, A. Guthrie & Co., 366 Jackson St., St. Paul, $49,634; monolithic culverts, Valley Constr. Co., Stephen, $8,004.

State Project 7-28, Federal Aid Project 233, 2 mi., Brown and Nicollet Counties, grading, Divs. A and B, F. R. Hupp, 1450 West Lake St., Minneapolis, $5,796 and $19,453 respectively, Div. C, D. Ryan, Marshall, $7,054. Monolithic culverts, Sanitor Constr. Co., 3050 4th Ave. S., Minneapolis, $5,260, A. Guthrie & Co., 366 Jackson St., St. Paul, $5,457.

State Project 8-30, Federal Aid Project 280, 17 mi., Itasca Co., grading, Divs. A and B, J. Moberg, Bemidji, $43,706 and $77,730, Reader & Co., 209 Kasota Bldg., Minneapolis, $43,712 and $74,124. Monolithic culverts, A. Guthrie & Co., 366 Jackson St., St. Paul, Div. A, $4,636, Div. B, $4,844.

State Project 12-21, Federal Aid Project 256, 8 mi., Carver Co., grading, J. R. Leach, Lakeville, $31,529, Gould & Huntington, Glencoe, $33,742. Monolithic culverts, Wessell Bros., Guardian Life Bldg., St. Paul, $9,227, S. J. Groves & Sons Co., 306 Globe Bldg., Minneapolis, $9,601.

State Project 42-21, Federal Aid Project 207, 6 mi., Olmsted Co., grading, Cameron, Joyce & Co., Keokuk, Ia., $38,277. Monolithic culverts, A. Beckman, Lake City, $13,-022, S. J. Groves & Sons Co., 306 Globe Bldg., Minneapolis, $14,074.

State Project 53-23, 9 mi., Dakota Co., 12,940 sq.yd. one course concrete paving, from Campbell Constr. Co., 3050 Hennepin Ave., Minneapolis, $27,612. Bitulithic & Contg. Co., Plymouth Bldg., Minneapolis, $27,871.

State Project 7-30, Federal Aid Project 269, 4.5 mi., Waseca Co., grading, J. Brown Constr. Co., Madison Lake, $14,422, D. Ryan, Marshall, $14,904. Monolithic culverts, S. J. Groves & Sons Co., 306 Globe Bldg., Minneapolis, $3,491.

State Project 15-29, 8.7 mi. Watonwan Co., grading, Minnesota Rural Express Co., Montevideo, $9,260, J. McKusick Co., Hibbing, $9,321; graveling, Minnesota Rural Express Co., $14,972, J. McKusick Co., Hibbing, $15,235.

State Project 4-25, 1.4 mi., Beltrami Co., grading, G. W. Clark, Minburn, Ia., $11,177, Winston Bros. Co., 801 Globe Bldg., Minneapolis, $11,371; graveling, M. Barrett, St. Cloud, $4,158, Beltrami Constr. Co., Bemidji, $4,478. Noted July 13.

Mont., Great Falls—Concrete paving 12 blocks 4th Ave., N., between 15th and 20th Sts., 16th and 18th Sts. between 3rd and 4th Aves. N., sections 17th and 19th Sts., from Leighland & Kleppe, 24 Stanton Bank Bldg., $34,422; Hansen & Hoag, Great Falls, $34,920; S. Birch & Sons, 314 Ford Bldg., $36,107.

Missouri—State Hy. Dept. at div. office Bowling Green, opened bids July 18, .25 mi. road from Peno North, Federal Aid Project 188, Pike Co., from Riley & Bailey Constr. Co., International Life Bldg., St. Louis, $20,499; A. P. Munsen, Marion, Ia., $20,909; Missouri Bridge & Iron Co., Fullerton Bldg., St. Louis, $21,688. Noted July 13.

AVERAGE ACCEPTED BID PRICED ON FEDERAL AID PROJECTS DURING MAY, 1922

Following is statement issued on June 30 by U. S. Department of Agriculture, Bureau of Public Roads, Washington, D. C., showing average accepted bid prices on Federal Aid Projects during May. Prices are given for items and materials furnished in place on the project. Gravel bids are listed by square or cubic yards, depending on the specifications of the various states. Prices of items or materials containing state-furnished cement and bitumen which was not included in total cost of the item are marked *. A table showing the average accepted bid prices for June is published in the Business Side of Construction, this issue.

	Surfacing									Steel			
	Gravel		Bit. Macadam		Bit. Concrete		Pl. Cement Conc.		Rein. Cement Conc.		Reinforcing Bars		Structural
Geographic Divisions and States	Sq. Yd.	Rate	Sq. Yd.	Rate	Sq. Yd.	Rate	Sq. Yd.	Rate	Sq. Yd.	Rate	Lb.	Rate	Lb.	Rate
Totals for all states	1,531,790	$0.39	509,810	$1.73	284,599	$2.22	1,636,239	$2.21	724,959	$2.60	9,079,617	$0.04	2,939,504	$0.06
New England	11,034	1.90	99,751	1.43					170,760	2.02	1,270,355	0.04		
Maine	11,034	1.90							90,850	1.69	785,904	0.04		
New Hampshire											50,123	0.05		
Vermont											28,028	0.05		
Massachusetts			99,751	1.43					79,910	2.37	406,300	0.03		
Rhode Island														
Connecticut														
Middle Atlantic			23,550	1.12					103,596	2.90	3,691,466	0.03	412,600	0.03
New York			23,550								3,685,800	0.03	412,600	0.03
New Jersey														
Pennsylvania											5,666	0.05		
East North Central			152,953	2.19	111,949	2.65	93,308	2.62	20,418	3.16	284,078	0.04	62,030	0.05
Ohio			152,953	2.19	111,949	2.65	92,639	2.62	20,418	3.16	226,488	0.04	4,030	0.11
Indiana														
Illinois														
Michigan														
Wisconsin							669	2.28			57,590	0.05	58,000	0.05
West North Central	1,491,423	0.38					551,807	2.53	272,101	2.50	939,967	0.06	484,770	0.06
Minnesota							27,365	2.36	272,101	2.50				
Iowa							516,196	2.52			667,507	0.06	435,060	0.06
Missouri	697,572	0.42									48,874	0.05	2,103	0.06
North Dakota											237	0.03	300	0.06
South Dakota							8,246	3.12			167,259	0.05	47,307	0.05
Nebraska	793,851	0.34									56,090	0.05		
Kansas														
South Atlantic			233,556	1.63	135,875	1.78	489,086	2.32	118,964	2.98	503,433	0.05	168,000	0.07
Delaware														
Maryland							107,050	1.49			3,485	0.08		
Virginia					84,395	2.13	35,260	2.10			7,072	0.08		
West Virginia					51,480	1.20					3,050	0.06		
North Carolina							316,880	2.60	112,090	2.98	186,720	0.05		
South Carolina							29,360	2.66	6,874	2.96	166,948	0.05	168,000	0.07
Georgia			49,083	0.89			536	*1.00			136,158	0.05		
Florida			184,473	1.82										
East South Central					34,425	2.40					240,921	0.04		
Kentucky											69,394	0.05		
Tennessee														
Alabama					34,425	2.40					100,531	0.05		
Mississippi											70,996	0.03		
West South Central					2,007	3.25	145,125	2.38			1,367,812	0.05	1,482,656	0.06
Arkansas														
Louisiana														
Oklahoma					2,007	3.25	51,408	2.37			715,144	0.05	1,315,126	0.06
Texas							93,717	2.39			652,668	0.05	167,530	0.05
Mountain	29,333	0.61			343	2.00	168,113	1.76			342,285	0.06	329,448	0.06
Montana											2,500	0.07	155,000	0.07
Idaho														
Wyoming											106,500	0.07		
Colorado					343	2.00	61,050	2.32			194,581	0.05	174,448	0.06
New Mexico							45,413	1.92			38,704	0.08		
Arizona														
Utah							61,650	1.10						
Nevada														
Pacific	29,332	0.61					188,800	1.18	39,120	3.37	439,300	0.04		
Washington														
Oregon											7,000	0.09		
California							188,800	1.18	39,120	3.37	432,300	0.04		

Streets and Roads (Continued)

Missouri—State Hy. Dept. at div. office Bloomfield, opened bids July 26, 4.256 mi. road from Cairo to Poplar Bluff, 24 ft., Federal Aid Project 179, Stoddard Co., from Novaculite Constr. Co., Marion, Ill., $17,780, T. E. Hubbard, Dexter, $20,481, Neal & Gladden, Dexter, $24,286. Noted July 20.

Missouri—State Hy. Dept. at div. office Shelbyville, opened bids July 27, 4.529 mi. road from Shelbyville northward and southward, 24 ft., State Aid Project 20,129, Shelby Co., from W. J. Dungan, Shelbina, $17,183, J. P. Sparks, Mastow Mills, $25,772, H. Washam, Jacksonville, $25,809. Engrs. est. $28,699. Noted July 20.

Missouri—State Hy. Dept. at div. office Moberly, opened bids 0.678 mi. road from Moberly to Huntsville, 24 ft., Federal Aid Project 186, Randolph Co., from Lynch McDonald Constr. Co., Moberly, $24,628. Engrs. est. $25,000. Noted March 16.

Tex., Cameron—Milam Co., grading, gravel surfacing, etc., 17.94 mi. State Highway 36, Federal Aid Project 222, incl. 91,035 cu.yd. borrow, 46,343 cu.yd. roadway excav., 1,114 cu.yd. concrete, 96,008 lb. reinforcing, 37,241 cu.yd. schist and 2,523 cu. yd. gravel surfacing, from Thomas & Radcliff, Rogers, $80,743; W. T. Hutto & Sons, Gonzales, $87,787; F. P. McElwrath, Corsicana, $92,044.

Tex., Houston—Harris Co. grading and surfacing 5.3 mi. State Highway 2, (a) crushed rock and shell, (b) ½ in. asphalt topping, (c) 1½ in. bituminous topping, from Starkey, Smith & Brown, 303 Stewart Bldg., (a) $17,982; Haden & Austin, Hill and Marsch Sts., (a) $18,393, (b) $13,656, (c) $26,071; Houston Constr. Co., 3102 McKinney Ave., (a) $25,865, (b) $14,251, (c) $26,768. Noted July 13.

Colorado—State Hy. Dept., Denver, gravel surfacing (1) 3.144 mi. road beginning 4 mi. east of Grand Junction and extending easterly toward Palisades, Federal Aid Project 208-A, (2) road beginning ½ mi. west of Granada and extending westerly 5.668 mi., Federal Aid Project 168-A, (3) road beginning at eastern city limits of Canon City and extending easterly through Florence 10.773 mi., Federal Aid Project 165; sand clay surfacing (4) 3.995 mi. road beginning 8½ mi. east of Peyton and extending easterly through Callien, Federal Aid Project 532; concrete paving (5) 2.938 mi. road beginning 1½ mi. east of Pueblo and extending east on Sante Fe Trail, Federal Aid Project 217, (6) 8.228 mi. road beginning north of Brighton and extending northward through Ft. Lupton toward Platteville, Federal Aid Project 226 A; rubble cement flume and culverts on (10) near Nighthawk and Blackhawk on State Highway 54, State Project 653, Gilpin Co., from F. L. Hoffman, Mining Exch. Bldg., Denver, (1) $30,587, (2) $37,579, (3) $65,488; W. B. Check, Box 187, Grand Junction, (1) $32,570; Standard Eng. Co., Ernest & Crammer Bldg., Denver (2) $36,573, (3) $69,291; W. A. Colt & Son, Las Animas, (2) $38,109; G. A. Allen, Morrison, (3) $63,343, (4) $16,173; E. Lindsey, 521 Chamber Commerce Bldg., Denver, (4) $15,739, (5) $85,605; Monaghan & Cunningham, 1710 Market St., Denver, (4) $16,704; Colorado Constr. Co., 802 Railroad Bldg., Denver, (5) $88,637; Orman Constr. Co., Pueblo, (5) $89,534; White & Johnson, 521 Chamber Commerce Bldg., Denver, (6) $219,212; Brodie & Anderson, Interstate Trust Bldg., Denver, (6) $221,800; Colorado Bridge & Constr. Co., Gas & Electric Bldg., Denver, (6) $225,191; Acme Bridge Co., 1319 Champa St., Denver, (7) $8,255; T. J. Hostetter, Littleton, (7) $8,499; J. Finger, Ft. Collins, (7) $8,814.

California—State Hy. Comn., Sacramento, grading and gravel surfacing 9.29 mi. highway between Hopland and El Robles, Mendocino Co., (1) 62,000 cu.yd. excav., (2) 5,350 cu.yd. gravel surface, (3) 80 cu.yd. Class A Portland cement concrete, culvert and monuments, from Murdock Bros., Oakland and Ukiah, (1) $0.825 per cu.yd., (2) $1.60, (3) $20, total $62,284; Frederickson & Shannon, Cory Bldg., Fresno, (1) $0.75, (2) $2.52, (3) $22.50, total $63,445; M. J. Lyons, San Francisco, (1) $0.85, (2) $2.50, (3) $20, total $69,382. Noted July 13.

Cal., Clovis—Improving De Witt and Pollasky Aves., 4th, 5th and 10th Sts., from Clark & Henery Constr. Co., 38 South Sutter St., Stockton, 159,713 sq.ft. 1½ in. warrenite bitulithic on 3½ in. asphaltic concrete pavement at $0.229, 3,597 cu.yd. grading $1.37, 5,456 lin.ft. concrete gutter $0.75, 7,112 lin.ft. concrete curb $0.80, etc., total $64,402.

Cal., Marysville — Improving various street intersections from Warren Constr. Co., Bacon Bldg., Oakland, 7,424 sq.ft. 3½ in. warrenite bitulithic pavement at $0.218, 22,078 sq.ft. 4 in. bituminous base 1½ in. warrenite bitulithic surface $0.18, 29,502 sq.ft. grading $0.013, etc.

CONTRACTS AWARDED

Massachusetts—State Hy. Dept., Boston, constructing 4,350 ft. State Road, in Amesbury, 18 ft., 8,700 sq.yd. bituminous macadam, to J. E. Watkins, 1 Fern Ave., Amesbury, $26,592.

Mass., Westfield—Bd. Pub. Wks., paving 4,400 ft. Franklin St., 20 ft., rein.-con., bituminous macadam shoulders, to W. C. Tannatt, Jr., Easthampton, $33,517. Noted July 13.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, repaving roadway of Bway., from Kent to Bedford Aves., new granite blocks, to J. Meehan & Son, 74 Cortlandt St., New York, $43,372. Noted July 13.

N. Y., Long Island City—M. E. Connolly, pres., Queens Boro, Queens Subway Bldg., grading and paving Bell Ave., also setting curb on easterly side of Wainscott (Warburton) Ave., etc., to R. A. Hess, Corona, $45,701. Engrs. est. $50,000. Noted July 20.

N. Y., Long Island City—Park Bd., Municipal Bldg., New York, sidewalks along Woodhaven Ave. in Forest Park, Boro of Queens, to T. Di Rona, 33 Evelyn Pl., New York, $14,321.

N. Y., Niagara Falls—To Read-Coddington Eng. Co., 238 Portage Rd., concrete

Streets and Roads (Continued)

paving alleys, Contr. 249, $5,404; Contr. 255, $8,838; Contr. 256, $6,258; Contr. 257, $3,449. Noted June 29.

N. Y., Rochester—Asphalt paving (1) Edmonds St., (2) Evangeline St., (3) Webster St., (4) Hyde Park, asphalt resurface and widening (5) North Union St., cement walks on (6) Otis St., to J. Petrossi Co., Rochester. (1) $27,457, (3) $4,435; Whitmore, Rauber & Vicinus, 279 South Ave., (2) $12,759, (5) $21,397; Rochester Vulcanite Pavement Co., Rochester, (4) $10,531; W. Bailey Co., Rochester, (6) $1,452. Noted June 29.

N. J., Barnegat—Ocean Co., Court House, Toms River, constructing State Highway Route 4, Sect. 17, Main St., here, to Pub. Service Production Co., Terminal Bldg., Newark, 95.4% of engineers estimate or $43,932. Noted June 22.

N. J., Newton—Sussex Co., paving Fredon-Newton Rd., to Pub. Service Production Co., 80 Park Pl., Newark, $24,442. Branchville-Dingmans Rd., to C. T. Kavanagh, 32nd St., Bayonne, $49,652. Noted June 29.

N. J., Tuckerton—Ocean Co., Court House, Toms River, constructing State Highway Route 4, Sect. 18, here, cement concrete, to Pub. Service Production Co., Terminal Bldg., Newark, 1.0287% of engineers estimate or $59,924. Noted June 22.

Pa., Ebensburg—Cambria Co., 18,600 ft. Dunlo-Salix Highway, vitr. brick on concrete, to McClure & Bingler, Johnstown, $136,917, 1,330,000 bricks to Windber Clay Mfg. Co., Windber, $49,300; 4,000 ft. Park Hill Rd., East Taylor Twp., to J. S. Elder, Ebensburg, $32,299, 280,000 bricks to Windber Clay Mfg. Co., Windber, $10,800; 2,500 ft. Carrolltown Rd., to Gifford & Pritchard, Philipsburg, brick $23,483, concrete $17,638; 3,481 ft. Main St. in Nanty-Glo, to Owen & Plummer, Otto Bldg., Johnstown, $46,684.

Maryland—State Roads Comn., Baltimore, building state highway in Carroll Co., Contr. CL-39, to Thomas, Bennett & Hunter, Westminster, $55,444; in Frederick Co., Contr. F-55, to Bester-Long Co., 40 East Baltimore St., Hagerstown, $11,964; in Howard Co., Contr. HO-22, to Ward & O'Connell, New Amsterdam Bldg., Baltimore, $23,243; in St. Marys and Charles Co., Contrs. SM-17 and CH-24, to H. S. Swann, La Plata, $32,101; in Baltimore Co., Contr. B-52, to K. M. Livingstone, 135 F St. N. W., Wash., D. C., $33,267. Noted June 22.

W. Va., Ripley—Comrs. Jackson Co., grading road from Ripley to Union Dist. line, Project 3074 A, to C. E. Price, Huntington, $28,670. Noted July 13.

N. C., Graham—Comrs. Alamance Co., grading and concrete paving 4 mi. road, to Elliott, Sholes & Co., Durham, $97,700. Noted June 22.

South Carolina—Richland Co. Permanent Rds. Comn., at Room 31, Arcade Bldg., Columbia, grading and hard surfacing 15 mi. Two Notch Rd., Richland Co., to Chatham Paving Co., Savannah, Ga. $380,773. Noted July 20.

S. C., Columbia—Paving various streets, asphaltic concrete, to Powell Paving Co., Palmetto Bank Bldg., $2.05 per sq.yd., total $46,861. Noted July 20.

Fla., Quincy — Improving Jefferson, Roberts, King and Washington Sts., 21,800 sq.yd. asphaltic concrete on 4 in. rock, 16,075 lin.ft. concrete curb, 5,320 lin.ft. sewers, to W. P. Kennedy Constr. Co., King St., $77,582. Engrs. est. $80,000. Noted June 22.

La., New Orleans—Paving St. Claude Ave. to Inner Harbor Navigation Canal, incl. 6,500 sq.yd. concrete, to Dahlgren Constr. Co., Maison Blanche Bldg., $34,743.

Tennessee—State Hy. Dept., Nashville, paving 9.47 mi. road from Union City to Troy, Federal Aid Project 54, Obion Co., to Y. Y. Phillips, Martin, $254,548, bridges over 20 ft. span on above project to Estes-Williams-Ragsdale Co., Scim Bldg., Memphis, $26,450; surfacing 10.04 mi. road from Rockwood to Kingston, Federal Aid Project 85, Roane Co., to J. F. Marcum & Co., Knoxville, $277,309. Noted July 20.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving with brick, 10.297 mi. Sect. "C-1" Painesville-Warren Rd., Ashtabula Co., to T. P. Fitzgerald, Ashtabula, $299,077. Noted July 27.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties:

Hancock Co., Sect. "Arlington" Findlay-Kenton Rd., 0.362 mi., bituminous concrete, brick gutters, Thompson-O'Roark Co., Toledo, $30,598.

Hocking Co., Sect. "G-2" Logan-Lancaster Rd., 1.292 mi., brick, E. N. Turner, Logan, $51,360.

Hocking Co., Sect. "L" Logan-Lancaster Rd., 1.776 mi., brick, E. N. Turner, Logan, $71,300.

Muskingum Co., Sect. "R" Zanesville-McConnelsville Rd., 0.96 mi., grading and constructing drainage structures, Blodgett & Greiner, Zanesville, $11,228.

Tuscarawas Co., Sect. "New Comerstown" Uhrichsville-New Comerstown Rd., 0.63 mi., semi-mono brick, to W. M. Bode Co., Newcomerstown, $31,543. Noted July 27.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties:

Hardin Co., Sect. "L" Lima-Kenton Rd., 2.966 mi., bituminous concrete, oil, to Smith Constr. Co., Youngstown, $70,395.

Huron Co., Sect. "E" Barberton-Greenwich Rd., 4.124 mi., rein.-con., Rice & Rice, Shelby, $99,616.

Huron Co., Sect. "Greenwich" Barberton-Greenwich Rd., 0.1619 mi., rein.-con., Rice & Rice, Shelby, $3,961.

Lorain Co., Sect. "D" and "E" Cleveland-Elyria Rd., 6.230 mi., brick, M. A. Ryan, 870 Eddy Rd., Cleveland, $187,852.

Marion Co., Sect. "H" Marion-Galion Rd., 3.077 mi., bituminous macadam, asphalt, Malloy & Seckel, Marion, $93,947.

Marion Co., Sect. "K" Marion-Galion Rd., 3.481 mi., bituminous macadam asphalt, F. F. Walton, Upper Sandusky, $91,007.

Noble Co., Sect. "J" Caldwell-Marietta Rd., 3.257 mi., plain concrete, Gaty Constr. Co., Central Natl. Bank Bldg., Columbus, $146,948.

Ottawa Co., Sect. "L" Toledo-Elmore Rd., 0.992 mi., brick, H. G. Witte & Son, Elmore, $39,700.

Sandusky Co., Sect. "A" Toledo-Elmore Rd., 2.278 mi., brick, H. G. Witte & Son, Elmore, $96,558.

Scioto Co., Sect. "R-2-b" Ohio River Rd., 2.815 mi., mono-brick, Harper-Ruel Co., Portsmouth, $99,212.

Trumbull Co., Sect. "C" Painesville-Warren Rd., 2.62 mi., rein.-con., Mahoning Contr. Co., Warren, $85,534.

Trumbull Co., Sect. "Newton Falls" Ravenna-Warren Rd., 0.756 mi., brick, J. DeJute, Niles, $30,975.

Erie Co., Sect. "H" Cleveland-Sandusky Rd., constructing timber retaining wall, H. A. MacDonald, Norwalk, $4,335.

Mahoning Co., Sect. "V" Canfield-Poland Rd., 1.21 mi., resurfacing with bituminous macadam, tar, Smith Constr. Co., Youngstown, $22,304.

Athens Co., Sect. "E," "C" and "J" Logan-Athens Rd., reconstructing bridge over Sunday Creek, O. R. Couch, Kent, $13,732.

Wayne Co., Sect. "O" Wooster-Mansfield Rd., 3.395 mi., grading and constructing drainage structures, Stein & Geisel, Niles, $46,892.

Ottawa Co., Sect. "L" Toledo-Elmore Rd., constructing concrete bridge, H. G. Witte & Son, Elmore, $7,535.

Vinton Co., Sect. A" McArthur-Gallipolis Rd., 0.341 mi., constructing bridge, C. A. Lumsford, Logan, $6,768. Noted July 27.

Michigan—State Hy. Dept., Lansing, grading and surfacing 6.46 mi. Assessment Dist. Rd. 209, Bay, Saginaw and Tuscola Counties, to J. W. Ederer & Co., Saginaw, incl. 14,455 cu.yd. excav. $0.40, 288.4 cu. yd. 1:2:4 concrete $17, 508.8 cu.yd. 1:2½:5 concrete $16, 195.7 cu.yd. 1:3:6 concrete $15, 60,567 sq.yd. waterbound macadam $1.24, etc., total $108,126. Noted July 20.

Michigan—State Hy. Dept., Lansing, grading and gravel surfacing 9.299 mi. Assessment Dist. Rd. 6, Sects. A and B, to Smith & Eesley, Plainwell, $45,215; Sect. C, to Walker, Webster & Williams, Galesburg, $23,354.

Michigan—State Hy. Dept., Lansing, grading and surfacing 1.362 mi. State Trunk Line Rd. 36-3, Lapeer Co., 3,523 cu. yd. excav., 15,714 sq.yd. concrete, to Bartling & Dull, Pontiac, $25,737, plus state cement, $12,054.

Mich., Detroit—To Detroit Asphalt Paving Co., 20 McGraw Bldg., sheet asphalt paving on concrete, C St. from Vinewood to Hubbard Sts. $5,182, Elsemere Ave. from Fort to Chamberlain Sts. $19,128, 14th Ave. from Euclid to Clairmount Sts. $35,780, Frontenac Ave. from Harper to Strong Aves. $7,302, Jameson Ave. from McClellan to Pennsylvania Aves. $8,736, Lyman Ave. from Crystal to Russell Sts. $11,347, Sharon Ave. from point 889 ft. south of Michigan Ave. to Michigan Ave. $13,152; Cleveland Trinidad Paving Co., 402 Hammond Bldg., Fullerton Ave. from Pere Marquette R. R. to Linwood Ave. $17,411, Richton Ave. from Linwood to Dexter Aves. $38,930, Sturtevant Ave. from Linwood to Dexter Aves. $37,793, Waverly Ave. from 12th St. to lots 52 and 100 $11,440; G. R. Cooke, 1260 Penobscot Bldg., Rosedale Court, $19,735.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, concrete paving (1) 6.324 mi. Route 2, Sect. 50, Macon Co., (2) 3.644 mi. Route 3, Sect. 48, Greene Co., (3) 3.209 mi. Route 8, Sect. 14, Peoria Co., (4) 2.858 mi. Route 8, Sect. 15, Peoria Co., (5) 4.825 mi. Route 14, Sect. 9, Hamilton Co., (6) 4.616 mi. Route 17, Sect. [illegible] Marshall Co., (7) 4.128 mi. Route 37, Sect. 11, Franklin Co., (8) 4.599 mi. Route 37, Sect. 12, Franklin-Williamson Co., (9) 4.9 mi. Route 37, Sect. 13, Williamson Co., (10) 10.484 mi. Route 44, Sect. 18, Will Co., (11) 0.882 mi. Project 9, Sect. Y, Bond-Fayette Co., (12) 6.488 mi. Project 26, Sect. 16, McLean Co., (13) 5.175 mi. Project 26, Sect. 17, McLean Co., (14) 5.278 mi. Project 22, Sect. 18, McLean Co., (15) 3.141 mi. Project 27, Sect. 31, Woodford Co., (16) 5.277 mi. Project 27, Sect. 36, Tazewell Co., (17) 5.71 mi. Project 34, Sect. 26, Clinton Co., (18) 3.814 mi. Project 35, Sect. 17, Marion Co., (19) 3.682 mi. Project 35, Sect. 18, Clinton Co., (20) 4.81 mi. Project 40, Sect. 29, Hancock Co., (21) 5.033 mi. Project 41, Sect. 16, Winnebago Co., (22) 6.853 mi. Project 42, Sect. 161, Cook Co., (23) 0.302 mi. Project 8, Sect. V-4, Macoupin Co., grading (24) 137,120 cu.yd. Route 3, Sect. 58-A, Greene Co., (25) 6,400 cu.yd. Project 2, Sect. 11, Will Co., (26) 66,590 cu.yd. Project 34, Sect. 27-A, Clinton Co., (27) 42,420 cu.yd. Project 37, Sect. 22-A, Clinton Co., (28) 34,900 cu.yd. Project 39, Sect. I-A, Carroll Co., (29) $17,375 cu.yd., Project 39, Sect. 2A, Carroll Co., to

McMahon Constr. Co., Rochester, Ind., (1) $159,902.

J. Kesl, Edwardsville, (2) $94,404, (17) $153,559.

McElwee & Ragy, Peoria, (3) and (4) $176,926.

C. J. Moritz, Effingham, (5) $140,973, (10) $271,321, (11) $33,770 (pending).

Jaicks Bros., 232 East Pearson St., Chicago, (6) $133,648.

Cole & Fauber, Marion, (7) $111,234, (8) $132,199, (9) $50,856.

Cameron & Joyce, Keokuk, Ia., (12), (13) and (14) combined $472,818, (15) $86,011.

Keokuk Quarry and Constr. Co., Keokuk, Ia., (20) $130,336.

J. W. Etchison Cc., Casey, (18) and (19) $187,352.

Milburn Bros., Rockford, (21) $134,572.

A. Ward & Sons, Oak Glen, (22) $228,552.

A. M. Boatman, Carlinville, (23) $9,165.

C. M. Hanes, Jerseyville, (24) $36,082.

J. M. Pearson & Co., 1622 Ralsted St., Chicago Heights, (25) $5,509.

B. Keffmeyer, Carlyle, (26) $19,210.

Kertung Bros., Auburn, (27) $10,532.

Lord & Talbot, Monmouth, (28) and (29) $24,117. Noted Aug. 3.

Wis., Shullsburg — Paving Main and Water Sts., 1 course rein.-con., concrete curb and gutter, to J. J. Leonard, 3rd and Main Sts., Dubuque, Ia., $25,000. Noted Jan. 12.

Wis., Watertown—Paving 1 mi. various streets, 1 course rein.-con., concrete curb and gutter, to Lehmann Bros. Co., 900 8th St., $29,272. Engrs. est. $30,000. Noted July 13.

Ind., Crown Point—Paving 26,400 ft. Gleason Rd., 16 ft., 46,904 sq.yd. concrete on concrete, to J. C. Sunderman, 2360 Connecticut St., Gary, $220,374. Engrs. est. $240,000.

Ind., Warsaw—Kosciusko Co., 15.858 ft. S. S. Eller Rd., 16 ft., 28,042 sq.yd. concrete on concrete, to E. A. Gast, Warsaw, $67,500. Engrs. est. $98,000.

Minn., Chisholm—Paving 12 blocks, one-course rein.-con., to Winslow & Co., Chisholm, $40,500.

Minn., Waseca—Waseca Co., 9 mi. State Rd. 5, Job 2201, 11,880 cu.yd. gravel surfacing, to C. F. Sculley Equipment Co., 300 Dakota Bldg., St. Paul, $13,434. Bids rejected on Job 2205, new bids called. See "Bids Desired." Noted July 6.

New Mexico—State Hy. Comn., Santa Fe, grading and building structures on 10.59 mi. Silver City-Cliff Rd., Grant Co., 8.05 mi. Santa Rita-Lorenzo Rd., Grant Co.; grading, surfacing and building structures on 9.32 mi. Pecos-Rowe Rd., San Miguel Co., 4.84 mi. Las Cruces-Berino Rd., Dona Ana Co., 16.42 mi. Laguna-Cubera Rd., Valencia Co., to Lee Moor Contg. Co., 204 Two Republics Bldg., El Paso, Tex., $94,908. Noted June 8.

Idaho—Comr. Pub. Wks., Boise, grading and crushed rock surfacing 7.78 mi. Idaho Pacific Highway, Sect. A, Federal Aid Project 60, Bannock Co., to W. Devlin, Mountain Home, $46,565. Noted July 6.

Wash., Tacoma—Pierce Co. clearing, etc., 4.8 mi. Gig Harbor-Long Branch Highway, 15½ acres clearing, 4,600 yd. of 100 ft. overhaul, 6,400 yd. gravel surfacing, 1,896 ft. 12 and 18 in. concrete pipe, 8 acres

Streets and Roads (Continued)

grubbing, to Sweeney & Holz, Tacoma, $25,888. Engrs. est. $26,000.

Wash., Waterville—Douglas Co., grading and graveling 3 mi. Permanent Highway No. 1, Bridgeport to Mansfield, to Mohr Constr. Co., Waterville, $37,602. Engrs. est. $40,000.

California—State Hy. Dept., Sacramento, paving with bituminous macadam 16.68 mi. road from Auburn to ⅜ mi. north of Colfax, Placer Co., to C. H. and A. W. Gerrill, Bacon Bldg., Oakland, $408,954. Noted July 27.

Cal., Fresno—To Thompson Bros., G and Divisadero Sts., improving Echo Ave. between Olive and Pine Sts., 63,576 sq.ft. grading, 57,470 sq.ft. asphaltic pavement, 3,326 lin.ft. concrete curbs, 16,593 sq.ft. concrete walks, 6,106 sq.ft. concrete gutter, etc., $25,532; Peralta Way between Lucerne Lane and Van Ness Blvd., Moroa Ave. between University and point 150 ft. south of Peralta Way, 70,645 sq.ft. grading, 61,060 sq.ft. asphaltic pavement, 6,145 sq.ft. concrete gutter, 1,760 lin.ft. concrete curb, 2,703 sq.ft. concrete walks, etc., $21,039. Noted June 22 and July 6.

Cal., Lodi—Improving Sacramento St., to Clark & Henery Constr. Co., 38 South Sutter St., Stockton, 49,682 sq.ft. 1½ in. warrenite bitulithic on 2½ in. asphaltic concrete at $0.185 per sq.ft., 55,125 sq.ft. grading $0.02, 3,110 lin.ft. concrete surb $0.26, 3,887 sq.ft. concrete gutter $0.50. Noted June 29.

Cal., Modesto—To Standard Paving Co., 1411 9th St., improving Kimble St., 97,984 sq.ft. grading, 90,272 sq.ft. 1½ in. warrenite bitulithic on 2½ in. asphaltic concrete, 7,687 sq.ft. concrete gutter, 5,037 lin.ft. concrete curb, etc., $27,945; Sycamore Ave., 37,728 sq.ft. grading, 34,832 sq.ft. 1½ in. warrenite bitulithic on 2½ in. asphaltic concrete, 1924 lin.ft. concrete curb, 2,896 sq. ft. concrete gutter, etc., $11,735.

Cal., Yuba City—**Supervs.** Sutter Co., resurfacing present **oil macadam** roads with E grade **asphalt** and crushed rock, to M. F. Sullivan, 1215 26th St., Sacramento, 1 mi. Nicolaus-Feather River Rd. $1,470, 5.42 mi. Live Oak-Pennington Rd., $6,540, 12.53 mi. **road** from Trowbridge to Riego $19,700; **surfacing** following roads to Heafey-Moore-McNair, 2030 High St., Oakland, 2 mi. O'Banion Corners Lateral $8,640; 2.12 mi. Oswald Lateral $9,120; to M. C. Hillard, 2500 Q St., Sacramento, grading 1.2 mi. Live Oak-Pennington Rd. from 9 mi. west of Stafford to north end of Hagama Pl. $5,850. Noted June 22.

Ont., Cornwall—Glengarry Co., 1¼ mi. Rd. 16; waterbound macadam, to Clothier & Grenon, Casselman, $1.50 per cu.yd.

Que., Montreal—To B. Brault, Ltd., Bleury St., asphalt pavements on Des Erables St. $21,361, St. Donat St. $15,627, incl. cement sidewalks; Quinlan, Robertson & Janin Ltd., 50 Notre Dame St., asphalt pavement on Monkland St. from Walkeley to Montclair Aves. $3,572, cement sidewalks $646, sidewalks on Monkland St. from Melrose to Grand Blvd. $4,305; F. Lapau, 601 Lacordaire St., sidewalks on Des Carrieres St. $2,938. Noted Aug. 3.

Industrial Works

PROPOSED WORK

Conn., Bridgeport—Chamber of Commerce, Court Exchange Bldg., having sketches made by Fletcher-Thompson, Inc., engrs. and archts., 542 Fairfield Ave., 5 story 60 x 130 ft. industrial "incubator" building, West End. $250,000.

Conn., Bridgeport—General Warehousing Co., 1337 Seaview Ave., having plans prepared by W. Schmidt, archt., 1188 Main St., 2 story, rein.-con. addition to warehouse, also smaller building. $60,000.

N. Y., Buffalo—Office—Hotel Statler Co., Inc., Hotel Statler, Washington and Swan Sts., having preliminary sketches made by H. J. Cook, archt., 408 Pearl St., converting Iroquois Hotel, (10 story, 99 x 200 ft.), into office and bank building. Cost to exceed $200,000.

N. Y., Jamestown—Niagara, Lockport & Ontario Power Co., Hinman Rd., Lockport, plans power plant, 20 mi. transmission line from Athol Springs to Dunkirk, double 50 mi. circuit transmission line from Dunkirk to Falconer, 30 mi. line from Athol Springs to Westfield. $942,626.

N. Y., Jamestown—Western New York Electric Co., 316 North Main St., plans to increase capacity of Washington St. substation, transformer and frequency station at Falconer, (suburb of Jamestown), and high powered insulation lines throughout Chautauqua Co. $453,886.

N. Y., New York—**O. K. Building Corp.,** c/o J. De Hart, archt. and engr., 1939 Fox St., having plans prepared 1 story, 110 x 135 ft., rein.-con., brick and steel garage, Bryant Ave. and 161st St. $50,000.

N. Y., New York—Republic Storage Warehouse, 45th St. and 12th Ave., soon lets contract brick, steel and concrete warehouse. $200,000. R. G. Cory, 30 Church St., archt. and engr.

N. Y., Rochester—Powertown Tire Corp., Ridgeway Ave., plans 40 x 125 ft. service station and salesroom, on East Ave. $40,000. Architect not announced.

Pa., Freedom—Freedom Oil Wks. having plans prepared by J. E. Martsolf, archt., 513-3rd Ave., New Brighton, 2 story, 48 x 75 ft., rein.-con., brick and steel addition to garage and repair shop, here.

Pa., Monessen—S. S. Jones, 30 6th St., Belle Vernon, soon lets contract 2 story, 64 x 99 ft. rein.-con. and brick garage, Donner Ave. and 9th St. Austin Co., Union Arcade, Pittsburgh, archts. and engrs.

Pa., Oil City—Citizens Light & Power Co., plans additions and improvements to power plant and system. $95,000.

Pa., Williamsport — Williamsport Bldg. Product Co., c/o E. Dittmar, archt., 1603 Erie Ave., had plans prepared 1 story, 57 x 160 ft. factory. To exceed $40,000.

W. Va., Beckley — Raleigh Motor Co. having plans prepared by H. M. Miller, archt., Roanoke, Va., 3 story, 49 x 146 ft., brick and steel garage, East Main St. $60,000.

W. Va., Wheeling—Greer & Laing Hardware Co., 1215 Main St., plans 5 story, 89 x 138 ft., concrete, brick and tile warehouse and store, 1327 Main St. $150,000.

W. Va., Wheeling—McGraw Co., Bellaire, O., having plans prepared by Ford Motor Co. Architectural Dept., Highland Park, Detroit, Mich., 2 story, 85 x 125 ft., brick and stone, garage, 2011 Main St., here.

Ala., Magazine—Alabama Saw Mills plans to rebuild portion of plant, recently destroyed by fire. $50,000. Architect not announced.

La., Alexandria—Soon takes bids constructing gas plant and distributing system. $110,000 bonds voted for project. V. M. Ake, clk.

Ky., Summit—Pittsburgh Brick & Tile Co., c/o S. S. Willis, Ashland, plans brick plant, here. $200,000. Architect not announced.

O., Cleveland—D. Round & Son, Shop 3, Bway., had plans prepared by H. W. Maurer, archt., Schofield Bldg., 2 story, 52 x 275 ft., brick and steel foundry and shop. $50,000.

O., Cleveland Height (Warrenville, P. O.)—W. Van Bergan, Stop 14, Mayfield Rd., Cleveland, had plans prepared 1 story, 74 x 109 ft., brick and steel garage, plain foundation, 2204 Lee Rd., here. $45,000. Private plans.

O., Columbus—Clark Show Case Co., 31 West Chestnut St., having plans prepared 4 story, 40 x 120 ft. factory, Naghten St. $80,000. Private plans.

O., Youngstown—Penn-Ohio Power & Light Co., 2521 East Boardman St., making plans brick and steel sub-station, 8,000 h.p., Market St. Extension.

Ind., Connersville—Hydro-Electric Light and Power Co., plans to extend and improve its plant and various lines. $200,000. Engineer not announced.

Ind., Hartford City—Paramount Wheel & Engineering Co. plans 1 story, brick and steel factory. $100,000. Architect not selected, probably private plans.

Ind., Indianapolis—United Brotherhood of Carpenters and Joiners of America, 222 East Michigan St., plans 3 story, brick printing plant, East Michigan St. $100,000. Architect not selected.

Ind., Indianapolis—Gem Laundry Co., 241 Indiana Ave., having plans prepared by W. H. Albersmeier, archt., 508 Rauh Bldg., 2 story, 67 x 202 ft. brick laundry, North Senate Ave. $40,000.

Ill., Chicago — Chicago Butchers Calf Skin Assn., Inc., 205 Milwaukee Ave., had plans prepared by H. C. Christensen, archt., 7256 Union Ave., 3 story, 24 x 140 ft., fertilizer plant, rein.-con., brick and steel, 3208 South Robey St., $50,000.

Wis., Appleton — Hermann Motor Co., 680 College Ave., plans 2 story, 80 x 80 ft., garage and repair shop, brick, plain foundation, College Ave. $40,000. Architect not selected.

Wis., Appleton—Valley Dairy Co. plans 2 story, 60 x 100 ft. dairy, brick, rein.-con. and steel, plain foundation. $50,000. Architect not selected.

Wis., Black Earth—R. A. Hermann plans 1 story, 50 x 70 ft. garage and repair shop, brick and rein.-con., plain foundation. Main St. $40,000. Architect not selected.

Wis., Eagle River—Strong & Manley had plans prepared 1 story, 120 x 130 ft., brick and concrete garage, plain foundation. $45,000. Private plans.

Wis., Fredonia—Gilson Bros. plan 1 story, 36 x 120 ft., concrete and steel foundry. $45,000. Architect not selected.

Wis., Green Bay—Northern Paper Mills Co., c/o K. McNaughton, purch. agt., Madison and Day Sts., plans 2 story, 70 x 200 ft. unit to paper mill, brick, rein.-con. and steel, plain foundation. $100,000. Architect not selected.

Wis., Madison—J. Feldman Paper Box Co., 515 Regent St., having plans prepared by J. R. and E. J. Law, archts., Strand Theatre, 1 story, 60 x 182 ft., brick, rein.-con. and steel factory, Charter St. $100,000.

Wis., Milwaukee — Standard Victoria Steam Laundry, 69 Ogden Ave., rejected bids 2 story, 40 x 114 ft. laundry addition, brick and concrete or mill construction, plain foundation. Will readvertise. Lesser & Schutte, 82 Wisconsin St., archts.

Wis., Rosendale—Central Wisconsin Canning Co., having plans prepared 2 story canning plant, incl. main building, warehouse and viner, brick and timber, plain foundation. $100,000. J. R. Hatch, Rosendale, secy. Private plans.

Minn., Minneapolis—City plans 2 story warehouse, shops, etc., 5th St. and East Hennepin Ave. $60,000. W. R. Young, Water Dept., City Hall, registrar. Architect not selected.

Wyo., Casper—Fargo Oil Co. plans gasoline compression plant, in Poison Spider Oil Field, near here. $100,000. Casper Supply Co., Casper, engrs.

Okla., Oklahoma City—Apco Refining Co., Colcord Bldg., plans refining, 700 bbl. daily capacity. $50,000. Architect not announced.

Cal., Los Angeles—See "Railways."

Cal., Oakland—Chevrolet Motor Co. of California, 69th Ave. and Foothill Blvd., had plans prepared addition to plant. $150,000. Architects name withheld.

Cal., Oakland—See "Buildings."

Cal., San Francisco—L. R. Lurie, Flatiron Bldg., plans 1 story, 92 x 200 ft., rein.-con. warehouse, 19th and Harrison Sts. Architect not selected.

N. B., St. Johns—Nasgwak Paper Mills, Ltd., plans addition to plant, increasing capacity from 60-80 ton per day. $500,000. Engineer not announced.

Ont., Welland—S. L. Lambert plans to rebuild planing mill recently destroyed by fire. $40,000.

Mex., Tampico—Pierce Oil Corp. having plans prepared rebuilding portion refinery recently destroyed by fire. $100,000. Architect not announced.

BIDS DESIRED

Pa., Munhall—Miller Motor Co., 228 West 7th Ave., Homestead, taking bids 2 story, 74 x 108 ft., concrete, brick, steel and stone garage, 8th Ave. $40,000. J. E. Dwyer, 5808 Forbes St., Pittsburgh, archt.

Pa., Phila.—Breyer-Sharpless Milk Co., 9th and Cumberland Sts., taking bids 2 story, 70 x 120 ft. dairy, and 1 story, 92 x 106 ft. wagon and motor building, brick and steel, plain foundations, 3325 York Rd. $100,000.

Pa., Lancaster—E. A. Wilson, archt., 1208 Chestnut St., taking bids 3 story, 80 x 176 ft. rein.-con. and steel factory, plain foundation, for Bayuk Bros., 3rd and Spruce Sts. $70,000.

Wis., La Crosse—Nelson Garment Co., 111 South 2nd St., taking bids 2 story, 92 x 160 ft., brick, rein.-con. and steel, factory, plain foundation, Cameron St. $60,000. O. J. Sorenson, 216 Main St., archt.

Wis., Milwaukee—Byrne Bros. Co., 3112 Burleigh St., taking bids and opens same about Aug. 14, 1 story, 58 x 180 ft., concrete garage, plain foundation, Kinnickinnic Ave. $40,000. Private plans.

Wis., Nennah—Jaeger-Dowling Co., 214 South Commercial St., taking bids and opens same about Aug. 14, 1 story, 75 x 120 ft., brick, tile and concrete garage plain foundation, North Commercial St. $45,000. Private plans.

Wis., Racine—Wisconsin Gas & Electric Co., 305 6th St., taking bids 1 story, 50 x 95 ft., addition to gas plant, rein.-con., steel and brick, plain foundation. $40,000. Private plans.

BIDS RECEIVED

Cal., Oakland—Oakland Tribune, 13th and Franklin Sts., 18 story, plant and office building, 13th and Franklin Sts., concrete work from Schuler & MacDonald, 308

Industrial Works (Continued)

12th St., $85,000; F. E. Nelson, c/o Builders Exchange, $89,800; R. W. Littlefield, 351 12th St., $97,000. Contract for structural steel awarded to Dyer Bros., 17th and Kansas Sts., San Francisco. Receiving bids for 175 ton reinforcing steel bars. Noted June 8.

CONTRACTS AWARDED

Mass., Fall River—Amer. Thread Co., Kerr Mills, foot of Kerr St., 2 story, brick and timber factory addition, containing 54,000 sq.ft. floor space, to Aberthaw Constr. Co., 27 School St., Boston, $125,000.

Mass., Palmer—M. J. Whittall and associates, Brussels St., Worcester, will build 2 story, 70 x 210 ft. mill addition, and 1 story storage building, both brick and timber, also rein.-con. coal pockets, by day labor. $80,000. Private plans.

Conn., Branford—Military Emergency Bd., State Armory, Hartford, 1 story, 85 x 150 ft. brick and steel mechanical building, adjoining state armory, here, to Connor & Haggerty, Inc., 172 Norton St., New Haven. Archts. est. $40,000. Noted July 13.

Conn., Danbury—Mallory Hat Co., River and Beaver Sts., 6 story, 40 x 60 ft. and 3 story, 60 x 160 ft. rein.-con. factory, to Aberthaw Constr. Co., 27 School St., Boston, $100,000.

N. Y., Elmira—Elmira Water, Light and R.R. Co., addition to gas plant incl. gas holder, 95 ft. high, 125 ft. diameter, concrete foundation, 1,000,000 cu.ft. capacity, Madison Ave., holder to Stacey Bros. Gas Constr. Co., 5535 Carthage Pike, Cincinnati, O.; all other work to Gas Mchy. Co., 1900 Euclid Ave., Cleveland, O. Engrs. est. $350,000. Noted July 27.

N. Y., New York—S. Hirschorn, c/o F. S. Parker, archt. and engr., 44 Court St., Brooklyn, 3 story, rein.-con., brick and steel factory, Southern Blvd. and 140th St., to Ettinger Contg. Co., 44 Court St., Brooklyn. Archts. est. $100,000.

N. Y., New York—G. A. Whalen, comr. Plants & Structures, Municipal Bldg., housing station 132nd St. west of Willow Ave. Bronx, to Lustig & Weil, 103 Park Ave., for Dept. Street Cleaning. $70,047. Noted July 20.

N. Y., Rochester—Gallagher Motor Co., Inc., 72 x 159 ft., brick and steel garage and salesroom, 32 ft. high, Monroe Ave., to H. Stallmans Sons Co., Arlington Bldg. Archts. est. $50,000. Noted July 13.

N. J., Camden—C. W. Brennan, 1306 Sansom St., Phila., 4 story, 40 x 200 ft. rein.-con. and brick factory, plain foundation. 6th and Jefferson Sts., to F. H. Smith, 1035 Reibold Bldg., Dayton, O.

Pa., Bellevue—Duquesne Light Co., 435 6th Ave., Pittsburgh, sub-station, Maryland and Forest Aves., to D. P. Robinson, 125 East 46th St., New York. Engrs. est. $300,000.

Pa., Phila.—A. H. Fox Gun Co., 18th and Windrim Sts., 1 story, 100 x 100 ft. brick and steel factory, plain foundation, to Austin Co., Bulletin Bldg.

Pa., Pittsburgh—Duquesne Light Co., 435 6th Ave., sub-station, Sandusky and North Diamond Sts., to D. P. Robinson Co., 125 East 46th St., New York. Engrs. est. $300,000.

Pa., Wilkinsburg—Duquesne Light Co., 435 6th Ave., Pittsburgh, sub-station, Penn and Swissvale Aves., to D. P. Robinson Co., 125 East 46th St., New York. Engrs. est. $300,000.

W. Va., Montgomery—Coal Valley Machine & Electric Mine Car Co., 1 story, 50 x 100 ft. plant, to C. H. Williamson & Co., Montgomery.

S. C., Greenville—Judson Mills, Judson Village, addition to cotton warehouse, 15,000 sq.ft. floor space, to Gallivan Building Co., West Washington St.

S. C., Greenville—Norris Bros., Inc., Birnie St., 2 story, 40 x 128 ft. factory, to Gallivan Building Co., West Washington St.

Ind., Hammond—Calumet Baking Co., Bakery addition, to J. W. Reed, Hammond. Archts. est. $50,000.

Ill., Chicago—S. Malty c/o Dubin & Eisenberg, archts., 19 West Washington St., 1 story, 125 x 200 ft., rein.-con., brick and steel garage, Taylor St. and Independence Blvd., to Lepavsky & Kout, 1530 South Lawndale Ave. Archts. est. $6.,000.

Wis., Eau Claire—Dells Paper & Pulp Co., Dells Dam, 1 story, 40 x 70 ft., brick, concrete and steel power house, plain foundation, to C. R. Meyer & Sons Co., 50 State St., Oshkosh. Engrs. est. $70,000.

Wis., Milwaukee—Edwards Motor Car Co., 2713 Grand Ave., 2 story, 108 x 200 ft., brick and concrete garage, plain foundation, Grand Ave. and 36th St., to Coddington Eng. Corp., 290 3rd St. Engrs. est. $100,000.

Wis., Milwaukee—M. Froehlig, 779 6th St., 1 story, 50 x 125 ft., brick and concrete garage, plain foundation, Center and 29th Sts., to Constr. Service Corp., 848 3rd St. Engrs. est. $40,000.

Wis., Milwaukee — Holeproof Hosiery Co., 404 Fowler St., 4 story, 64 x 64 ft., addition to textile mill, rein.con. and brick, plain foundation, to Dahlman Constr. Co., 456 Bway. Engrs. est. $60,000.

Wis., Milwaukee—Harley-Davidson Motor Co., 3732 Chestnut St., structural steel for 1 story, 74 x 128 ft. factory addition, brick and steel, plain foundation, Chestnut St., to Worden-Allen Co., Port Washington Rd., Federal Eng. Co., engrs., 444 Milwaukee St., preparing plans for balance of work. Engrs. est $40,000.

Wis., Milwaukee—Pittsburgh Plate Glass Co., 213 Lake St., 5 story, 86 x 140 ft. laboratory and storage building, rein.-con. and brick, plain foundation, Lake and South Water Sts., to Dahlman Constr. Co., 456 Bway. Engrs. est $225,000. Noted July 13.

Wis., Wausau—Marathon Motor Car Co., 210 McClellan St., 4 story, 60 x 120 ft., addition to garage, rein.-con. and brick, plain foundation, to F. Seefeldt, 612 Fulton St. Engrs. est. $80,000.

Cal., Sacramento—Crane Co., 4 story, rein.-con. warehouse, Front and M Sts., general contract to McGillivray Constr. Co., Capitol Natl. Bank Bldg., $136,800. Noted July 27.

Cal., Turlock—Hunt-Jewett-Bontz Co., (California Sweet Potato Corp.), 1 and 4 story alcohol and vinegar plant, brick and rein.-con., South 1st St., to O. Krenz Copper & Brass Wks., 812 Bryant St., San Francisco, $180,000.

Ont., St. Marys—Hurlbut Shoe Co., 3 story, 50 x 60 ft. rein.-con. and steel factory, Cadzow Park, to J. Patterson, Queen St. Archts. est. $65,000. Noted June 8.

Buildings

PROPOSED WORK

Mass., Fall River—High School—School Bd. having plans prepared by N. S. Chase, archt., 583 Center St., and R. C. Sturgis, associated archt., 100 Boylston St., Boston, 3 story, North Park Distr. $400,000.

Mass., Somerville — High School — Bd. School Comrs. having plans prepared by Ritchie, Parsons & Taylor, archts., 15 Ashburton Pl., Boston, 3 story brick and steel, in western section. $800,000.

Conn., Norwalk—Theatre, etc.—J. Tracy, 274 Main St., having plans prepared by Fletcher-Thompson, Inc., archts. and engrs., 542 Fairfield Ave., Bridgeport, 2 story, 80 x 125 ft., brick and steel, Main St. $150,000.

Conn., Winsted—School—Boro having preliminary sketches made by I. A. Allen, Jr., Inc., archts., 100 Farmington Ave., Hartford, 2 story, brick. $200,000. Noted July 27.

N. Y., Amityville—School—Bd. Educ. plans brick, steel and stone school. $200,000.

N. Y., Brooklyn—High School—Bd. Educ., 500 Park Ave., New York, having plans prepared by C. B. J. Snyder, archt. and engr., Concord St., brick, steel and stone high school, Clason Ave. and Eastern Parkway, here. $450,000.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York, having sketches made by C. B. J. Snyder, archt. and engr., Concord St., for P. S. 177, brick, steel and stone, Ave. P and Dahill Rd., here. $500,000.

N. Y., New York—Museum—Park Bd., Municipal Bldg., rejected bids opened July 20, new wing to be known as southeast wing and court building known as Hall of Ocean Life. Will readvertise. Noted July 6.

N. Y., New York—School—Bd. Educ., 500 Park Ave., having plans prepared by C. B. J. Snyder, archt. and engr., Concord St., Brooklyn, 5 story, brick, steel and stone, 126 East 105th St. $625,000.

N. Y., Rochester—Research Laboratory—University of Rochester, School of Medicine, plans 2 story, 101 x 107 ft. rein.-con. and red brick, Elmwood Ave. To exceed $150,000. Architect not announced.

N. J., Hightstown—Administration—Peddie Institute plans administration building. $200,000. R. W. Swetland, head master. Architect not selected.

Pa., Altoona—School—J. Millard, archt., Hutchison Bldg., Altoona, takes bids about Aug. 15, 3 story, 224 x 232 ft. rein.-con. and steel, for Bd. Educ.

Pa., Brackenridge—High School—Bd. Educ. Harrison Twp., plans high school and athletic field. $245,000. J. H. Phillips, P. O. Box 977, Pittsburgh, archt.

Pa., Charleroi—School—Bd. Educ. having plans prepared by J. C. Brenton, archt., Charleroi, 2 story, 100 x 200 ft., [illegible] and Meadow Sts. $175,000.

Pa., Easton—High School—Bd. Educ. having revised plans prepared by W. M. Michler and J. M. Snyder, archts., Easton, 2 story, brick school, 12th and Northampton Sts. $200,000. Noted March 30.

Pa., Monongahela—High School—School Bd. having plans prepared by W. G. Eckles, archt., New Castle, 2 story, brick and steel, $250,000.

Pa., Mt. Airy (Phila. P. O.)—Seminary—Lutheran Theological Seminary, 7301 Germantown Ave., plans 1 and 2 story, $250,000. Day & Klauder, Franklin Bank Bldg., Phila., archts.

Pa., Phila.—Bank—Corn Exch. Natl. Bank, 1510 Chestnut St., soon takes bids 6 story, 40 x 138 ft. brick, steel and marble, $1,500,000. A. H. Brokie, 254 South 15th St., archt.

Pa., Phila.—Office—Chestnut St. Realty Co., c/o Ritter & Shay, archts., North Amer. Bldg., soon takes bids 24 story, 72 x 230 ft. limestone, 15th and Chestnut Sts. $5,000,000.

Pa., Pittsburgh—Home—Salvation Army, 324 Diamond St., plans 7 story, 60 x 75 x 120 ft. Cherry Way, 2nd and 3rd Aves. $500,000. Architect not selected.

Pa., Pittsburgh—Office—Chinese Pittsburgh Merchants Assn. plans 5 story, 100 x 120 ft., stone, steel and concrete, 4th Ave. $150,000. L. Sing, pres. Architect not selected.

Pa., Pittsburgh—Restaurant, Cafeteria and Office—Fosters Restaurant and Cafeteria, 324-8 Diamond St., plans 4 story, brick and terra cotta, Diamond St. and Cherry Way. $200,000. E. P. Mellon, 52 Vanderbilt Ave., New York City, archt.

Pa., Vandergrift—High School—School Dist. having revised plans prepared by W. G. Eckles, archt., New Castle, 2 story, brick and stone. $155,000. Former bids rejected. Noted July 13.

Pa., Wilkinsburg — Apartment-Hotel — Wilkinsburg-Plaza Hotel Corp., c/o A. A. Rockoff, 323 South Ave., plans 9 story, Penn and Hays Sts. $800,000. Architect not selected.

Va., Norfolk—Apartment—Garden Terrace Corp. had plans prepared by H. W. Simpson, archt. Bd. Trust Bldg., brick, stone and terra cotta. Armstead Bridge Rd., Baldwin Ave. and West Ghent Blvd. $200,000.

Va., Richmond—Temple—C. L. Williams, chn. Building com. of Acca Temple, A. A. O. N. O. M. S., soon takes bids 5 story, Main and Laurel Sts. $1,000,000. M. E. Wright, Amer. Natl. Bk. Bldg., Richmond, archt.

N. C., Gastonia—Schools—Voted $150,000 bonds for 2 schools.

La., Gretna—Schools—Jefferson Parish having plans prepared by E. Weil, archt., Whitney Bldg., New Orleans, for 2 grammar schools, $142,000, also having plans prepared by W. T. Nolan, archt., Canal Commercial Bldg., New Orleans, 3 high schools, brick and joist construction. $230,000.

Tenn., Knoxville — Apartment — General Building & Finance Co., having plans prepared by Barber & McMurry, archts. and engrs., Burwell Bldg., 2, 3 and 4 story, 100 x 169 ft., West Clinch St. $175,000.

O., Dayton—Church—Second Church of Christ Scientist, having plans prepared by Schenck & Williams, archts., 908 Mutual Home Bldg., 2 story, 74 x 175 ft. brick and stone, plain foundation, Grand Ave. $182,000.

O., Lakewood (Cleveland P. O.)—Church and School—St. Lukes Catholic Parish, Warren Rd., plans 2 story, concrete, brick and steel, Clifton Blvd. $250,000. J. A. Nolan, pastor. Architect not selected.

O., Marion—Lodge—Knights of Columbus having plans prepared modern fireproof construction. $150,000. Architect not announced.

O., Rocky River—Commercial, Theatre and Apartment—N. T. Bishop, Frazier Dr., having plans prepared by A. W. Harris, archt., Cleveland Discount Bldg., Cleveland, 5 story, brick, steel and concrete, Detroit Rd. and Blount Ave. $300,000.

Ind., Anderson—School—Bd. Educ. plans 2 wing addition to school, 2 story, 44 x 110 ft. brick $150,000. E. R. Watkins, 441 Union Bldg., archt.

Ind., Bloomington — Apartment — Tibbs-Bose Realty Co., Amer. Central Life Bldg., Indianapolis, plans 3 story, brick and stone. $175,000. Architect not selected.

Ind., Bloomington—Theatre—H. L. Vondersmith, Washington, having plans prepared by Shrouds-Stoner & Co., archts.,

Buildings (Continued)

Tribune Bldg., Terre Haute, 1 story, 64 x 130 ft. brick and steel, here. $150,000.

Ind., Elkhart—School and Gymnasium—Bd. Educ. plans 2 story, 104 x 120 ft. brick, steel and stone. $150,000. E. H. Turnock, Monger Bldg., archt.

Ind., Indianapolis—Apartment—D. O. Kearby, 422 Amer. Central Life Bldg., having plans prepared by F. B. Hunter, archt., State Life Bldg., 3 story, 75 x 85 ft. brick and rein.-con., 611 Pennsylvania St. $150,000.

Ind., Indianapolis—Club—Columbia Club, Monument Circle, plans 12 story, brick, steel and stone, Monument Circle. $900,000. Rubush & Hunter, Amer. Central Life Bldg., archts.

Ind., Indianapolis—Office—T. O. Gasaway, 1108 Central Ave., plans 4 story, 100 x 205 ft. brick, and stucco, North Meridian St. $200,000. F. B. Hunter, State Life Bldg., archt.

Ind., Terre Haute—Apartment—Wabash Apartment Co., c/o J. D. Palmer & Co., archts., McKeen Natl. Bank, having plans prepared 4 story, 82 x 140 ft. brick. $400,000.

Ind., Terre Haute—Hotel and Store—J. D. Palmer & Co., archts., McKeen Natl. Bank, preparing plans 6 story, brick and steel. $1,000,000. Owner's name withheld.

Mich., Dearborn—Hotel—Dearborn Hotel Co., c/o Kohner & Seeler, archts., 1402 Kresge Bldg., Detroit, having plans prepared 4 story, 100 x 160 ft. brick, steel and terra cotta, plain foundation, Michigan Ave. and Porter St. $150,000.

Mich., Detroit — Apartment — Apartment Development Co., 2631 Woodward Ave., having plans prepared by R. H. Marr, archt., 2631 Woodward Ave., 3 and 5 story, 175 x 185 ft. rein.-con., brick and steel, plain foundation, Seward Ave. $200,000.

Mich., Detroit—Clubhouse—Women's City Club, c/o Stratton & Snyder, archts., Union Trust Bldg., having plans prepared 8 story, 66 x 100 ft. rein.-con., brick and steel, plain foundation, incl. rein.-con. swimming pool, Park Blvd. and Elizabeth St. $350,000.

Mich., Detroit—School—Bd. Educ., 1354 Bway. Ave., having plans prepared by Malcolmson, Higginbotham & Palmer, archts., 405 Moffat Bldg., 2 story, 100 x 190 ft., rein.-con., brick and steel, plain foundation, Emerson Ave. $150,000.

Mich., Hamtramck—School—Bd. Educ. having plans prepared by G. J. Haas, archt., Kresge Bldg., Detroit, 2 story, 80 x 300 ft. rein.-con. brick and steel, plain foundation. $175,000.

Ill., Paris—Hotel—Paris Hotel Co., c/o G. W. North, 601 North Willis St., Champaign, having revised plans prepared by Johnson, Miller & Miller, archts., 30 North 5th St., Terre Haute, Ind., 4 story, 60 x 130 ft., brick hotel, here. $200,000. Noted Jan. 6, 1921.

Wis., Ableman—High School—Bd. Educ., c/o Secretary, having plans prepared by Claude & Starck, archts., Badger Annex, Madison, 2 story, 60 x 100 ft., brick, rein.-con. and stone, plain foundation. $150,000.

Wis., Beloit — Lodge — Knights of Pythias Lodge 40, c/o W. L. Odett, 405 Moore St., having preliminary plans prepared by Hetherington & Krieg, archts., Goodwin Blk., 2 and 3 story, brick and concrete, plain foundation, Bluff St. 150,000.

Wis., Madison—Church—Bethel Lutheran Congregation, 729 East Gorham St., plans 2 story, 75 x 150 ft., brick, rein.-con. and stone, plain foundation, Gorham St. $150,000. O. J. Siljan, pastor. Architect not selected.

Wis., Mauston—Hospital—Mauston Hospital Assn., c/o A. Hess, having plans prepared by A. F. Billmeyer, archt., Wisconsin Rapids, 2 and 3 story, 75 x 100 ft., brick, rein.-con. and stone, plain foundation. $150,000.

Wis., Milwaukee — Club — Northwest Home Asn. of G. U. G. G., c/o P. Ebert, 1251 1st St., chn. building com., plans 2 story, 60 x 80 ft. and 40 x 42 ft., brick and concrete, plain foundation, Center and 25th Sts. $150,000. Architect not selected.

Ia., Atlantic—Hotel—Community Hotel Financing and Building Co., 723 Plymouth Bldg., Minneapolis, Minn., having plans prepared by C. W. Farnham, archt., 1037 Lumber Exch. Bldg., Minneapolis, Minn., 3 story, 100 x 140 ft., rein.-con., brick, tile and stone, here. $250,000.

Ia., Cedar Rapids—Hospital—Mercy Hospital Assn., Cedar Rapids, plans 4 story, rein.-con., brick, tile and stone. $250,000. W. L. Steele, 502 United Bank Bldg., Sioux City, archt.

Minn., Minneapolis—Hospital—State Bd. Control, Capitol St. Paul, plans 3 story rein.-con., brick and tile, State University Campus. $190,000. D. F. Mullen, secy.

BRIDGE—CLARKSVILLE, TENN.

Following are lowest three bids opened July 14 by State Highway Dept., Nashville, for constructing bridge over Cumberland River near Clarksville, Cumberland Co., (A) Gould Contg. Co., Nashville, (awarded contract); (B) Henley Constr. Co., Louisville, Ind.; (C) Foste & Creighton, Nashville. The unit bids were as follows:

	A	B	C
2,650 cu.yd. dry excavation	$2 00	$2 25	$5 00
1,854 cu.yd. wet excavation	16 00	12 50	25 00
4 cu.yd. rock excavation	20 00	14 00	25 00
3,975 lin.ft. timber piles treated	65	70	75
3,816 lin.ft. penetration of timber piles treated	40	1 00	75
150.37 cu.yd. special concrete	40 00	50 00	39 00
3,035.64 cu.yd. class A concrete	23 50	22 00	24 00
3,018.48 cu.yd. class B concrete	19 20	22 00	18 00
369,907 lb. deformed steel bars	05	05	05
5,520 lb. fabricated structural steel	07	08½	06
1,987 lb. steel castings	10	08½	6..
1,340 sq.yd. rock asphalt surface 2½ in.	2 50	3 00	2 00
Extended totals	$196,892	$199,655	$220,261

ROAD WORK—ARIZONA

Following are lowest three bids opened July 6 by Arizona Highway Dept., Phoenix, for constructing 5.1929 Federal Aid Project No. 3, Florence-Superior Highway, Sect. F, (A) Goodman & Merrill, St. David; (B) M. Ryan, Superior; (C) O. C. McElrath Constr. Co., Mesa. The unit bids were as follows:

	A	B	C
14,786 cu.yd. roadway excavation, unclassified	$0 65	$0 84	$0 80
12,893 cu.yd. borrow excavation, unclassified	35	40	50
432 cu.yd. excavating structures	1 00	1 25	1 00
1,277 cu.yd. overhaul (100 ft.)	05	.015	03
Structures over 20 ft. clear span			
82 cu.yd. class A concrete (includes haul, bend and place steel)	20 00	17 00	20 00
44 cu.yd. class B concrete	18 00	16 00	20 00
141 cu.yd. rubble concrete	8 00	4 50	8 00
Structures over 20 ft. clear span or less			
231 cu.yd. class A concrete in bridges and culverts (includes haul, bend and place steel)	20 00	16 00	20 00
190 cu.yd. class B concrete in bridges	18 00	15 50	20 00
53 cu.yd. class B concrete in headwalls	18 00	12 00	20 00
68 cu.yd. class B concrete in fords	20 00	15 00	20 00
15 cu.yd. class C concrete in fords	17 00	15 00	20 00
163 lin.ft. 24 in. C.M.P. (haul and place)	70	1 00	1 00
84 lin.ft. 30 in. C.M.P. (haul and place)	75	1 25	1 00
Extended totals, including state furnished materials, less alternates	$57,608	$58,371	$62,905
Extended totals, including state furnished materials, substituting alternates	$55,341	$56,662	60,644

C. H. Johnson, 715 Capitol Bank Bldg., St. Paul, archt.

Minn., St. Paul — High School—Dept. Educ. rejected bids opened June 19, and having revised plans prepared by F. X. Lewes, (new city architect), City Hall, 3 story, 150 x 250 ft., with 1 story, 48 x 90 ft. wing, rein.-con., brick and tile, Isabel and Congress Sts., $325,000. Noted June 29.

Kan., Atchison—Academy—E. Brielmaier & Sons Co., archts., 432 Bway., Milwaukee, Wis., opens bids about Aug. 20, 4 story, brick and concrete, plain foundation, for Mt. Scholastic Academy, 8th and Eccher Sts. $500,000. Noted March 9.

Mo., Kansas City—Clubhouse and Hotel—Marquette Council 1698, Knights of Columbus, purchased 137 x 150 ft. site, and plans lodge to include 2 floors of bachelor apartments, roof garden, gymnasium, swimming pool, lounging room, banquet rooms, library and study rooms on Forest Ave. and Armour Blvd. $350,000-$400,000.

Mo., Kansas City—Commercial and Market House—H. B. Schoolfield, c/o W. S. Ferguson Co., archts., 1900 Euclid Ave., Cleveland, having plans prepared 5 or 6 story, brick, steel and concrete. $200,000.

Tex., San Antonio—Schools—Sold $1,000,000 bonds of recently voted $2,000,000 bond issue for new schools and equipment. F. Hargis, pres. School Bd. Noted June 8.

Wash., Seattle—Club—King Co. Assn. of Graduate Nurses plans 7 story, 90 x 120 ft. brick and steel. $400,000. A. H. Albertson, Henry Bldg., archt.

Cal., Berkeley—Bank and Office—Mercantile Trust Co., c/o J. W. Plachek, archt., 2014 Shattuck Ave., having sketches made 5 story, Shattuck Ave. and Center St. $150,000.

Cal., Fresno—Amusement—See "Miscellaneous."

Cal., Oakland—Recreation, etc.—State having plans prepared by G. B. McDougall, state archt., Forum Bldg., Sacramento, 3 brick buildings, incl. 1 story recreation building, 2 story employes' building, 1 story women's shop, also power house, 3601 Telegraph Ave.

Cal., San Anselmo—Orphanage—Presbyterian Orphanage, c/o Bliss & Faville, archts., Balboa Bldg., San Francisco, having plans prepared five 2 story, frame, stucco and tile buildings. $150,000-$200,000.

Cal., San Francisco—Apartment—F. W. Quandt, archt., Monadnock Bldg., preparing plans 68 x 137 ft., Bway. near Laguna St. To exceed $150,000. Owner's name withheld.

Cal., Stockton—Hospital—State having plans prepared by G. B. McDougall, state archt., Forum Bldg., Sacramento, 1 and 2 story, on State Hospital Grounds. $150,000.

Ont., Kingston — Hospital — Kingston Hospital Bd. takes bids isolation hospital. $150,000. J. C. Newlands, secy.

Ont., Ottawa — Schools — Bd. Trustees Grant Consolidated Schools of Carleton Co., at Britannia, soon takes bids school in Britannia $100,000, high school in Westboro $200,000, School No. 16 in Nepean $35,000. A. L. Stackhouse, Britannia, chn.

BIDS DESIRED

Mass., Worcester—High School—Aug. 23, by School Comn., 3 story, 181 x 268 ft. concrete and brick, plain foundation, Grafton and Dorchester Sts. $700,000. J. D. Leland Co., 41 Mt. Vernon St., Boston, archts. Noted Oct. 27.

N. Y., Albany—Armories—Aug. 15, by State Armory Bd., Telephone Bldg., for repairs, improvements at following State Armories, Buffalo, 174th Reg., masonry, plumbing, etc., 106th Field Artillery, painting. Cavalry Armory, repairing stonework, liquid and plastic roof coating; Elmira, furnishing boiler, etc.; Walton, masonry, tin roof, painting. Separate proposals for work at each armody. F. W. Ward, secy.

N. Y., New York—Bath—M. Z. F. Corp., c/o S. N. Polis, archt. and engr., 115 Broad St., 2 story, brick, steel and stone, Webster Ave. $200,000. Work will be done by separate contracts under supervision of architect.

N. Y., New York—Drill Shed—Aug. 14, by Armory Bd., Municipal Bldg., drill shed of armory, 142nd St. between Lenox and 13th Aves., for 15th Infantry. Former bids withdrawn. Noted July 20.

N. Y., New York—High School—Aug. 22 by C. B. J. Snyder, supt. schools, Concord St. Brooklyn, addition to Julia Richman High School, brick, steel and stone, plain foundation, 67th to 68th Sts. near 2nd Ave. $1,750,000. Noted Dec 29.

N. Y., New York—Hotel—J. Goldstein, c/o Schwartz & Gross, archts. and engrs., 347 5th Ave., 9 story, 50 x 100 ft., brick, steel and stone, 23 West 64th St. Work will be done by separate contracts.

N. Y., New York—Synagogue—Aug. 22, by S. B. Eisendrath, archt. and engr., 18 East 41st St., 4 story, brick, steel and stone, plain foundation, 28 West 68th St., for Congregation of Free Synagogue, c/o architect. $200,000. Noted May 4.

N. J., Atlantic City — Hotel — W. M. Stanton, archt., 1524 Chestnut St., Phila., Pa., taking bids 6 story, 40 x 70 ft. rein.-con., brick and steel addition, caisson foundation, Kenteray Ave., for S. B. Boniface, Kenteray Ave. $200,000.

N. J., Collingswood—High School—P. A. Davis, archt., Presser Bldg., Phila., taking bids 3 story, 135 x 150 ft. brick and steel, plain foundation, for School Bd. $200,000.

Pa., Carrick (Pittsburgh P. O.)—School—Estep & Estep, archts., Century Bldg., Pittsburgh, taking bids 2 story, 150 x 260 ft. brick and steel, for School Dist. $150,000.

Buildings (Continued)

Pa., Johnstown — Auditorium and Gymnasium—Bd. Educ. taking bids 1 story, 110 x 115 ft. auditorium and 80 x 242 ft. gymnasium, rein.-con. and brick. Central Ave. $650,000. J. E. Adams, Nemo Bldg., archt.

Pa., Phila.—Apartment—C. Siegel, 47th and Larchwood Sts., taking bids 6 story, 160 x 385 ft. brick, steel and stone, plain foundation, 47th and Pine Sts. Private plans.

Pa., Phila.—Office—Ballinger Co., archts., 12th and Chestnut Sts., taking bids 3 story, 36 x 103 ft. brick, steel and stone, plain foundation, 13th and Spruce Sts., for Phila. Realty Co., 1126 Walnut St. $150,000. Noted July 20.

Pa., Pittsburgh—Home—Little Sisters of Poor, c/o P. Wall, 705 Preble Ave., and R. M. Trimble, archt., Ferguson Bldg., taking bids 3 story, 53 x 220 ft., Benson Ave. $200,000. Noted Jan. 12.

Pa., Pittsburgh—School, etc.—Duquesne University, Bluff St., and A. F. Link, archt., 407 North Craig St., taking bids 3 story, school, gymnasium and power house, Bluff St. $150,000.

Del., Smyrna—High School—Sept. 5, by Bd. Educ. of Smyrna Special School Dist. and Delaware School Auxiliary Assn., at office of Delaware School Auxiliary Assn., Du Pont Bldg., Wilmington, for 1 and 2 story, 80 x 150 ft. high school, here. W. O. Hoffecker, pres. Bd. Educ. of Smyrna Special School Dist. J. H. Odell, pres. Delaware School Auxiliary Assn.; adv. this issue.

N. C., Franklinton—School—Aug. 15, by Bd. School Trustees, 2 story. $150,000. G. H. Kearny, chn. F. B. Simpson, 110 East Lane St., Raleigh, archt.

N. C., Oxford—Hospital—Aug. 21, by R. L. Brown, supt. Oxford Orphan Asylum, Wm. J. Hicks Memorial Hospital, 2 story, brick. $150,000.

Fla., Plant City—Hotel—Aug. 21, by Plant City Hotel Corp., 7 story, 105 x 105 ft., brick and steel, Reynolds and Evers Sts. $150,000. M. L. Elliott, 413 Curry Bldg., Tampa, archt. Noted April 13.

Ky., Madisonville—Church—Aug. 18, by Building Comr., Methodist Episcopal Church, South, brick and stone church. B. M. Brooks, chn. J. A. Baylor, 1115 4th Ave., Louisville, archt.; adv. this issue.

O., Shaker Heights—Grade School—Aug. 18, by Bd. Educ., 2 story, 136 x 152 ft., brick, steel and concrete, Woodbury Rd. $225,000. C. W. Bates, 77 12th St., Wheeling, W. Va., archt.

Ind., Plymouth—High School—Aug. 14, by Bd. Educ., 2 story, 163 x 179 ft. structural steel and cut stone. $300,000. E. Young, South Bend, archt.

Ill., Jacksonville—Bank—Puckey & Jenkins, archts., 6 North Michigan Ave., Chicago, receiving bids 2 story, 60 x 95 ft., rein.-con., brick and steel, here, for Elliott State Bank. $200,000. Noted Sept. 22.

Ill., Peru—Office—V. A. Matteson, archt., 8 South Dearborn St., Chicago, receiving bids 2 story, 150 x 185 ft., rein.-con., brick and steel, for Western Clock Co., Peru, $250,000.

Wis., Milwaukee — Club House — A. D. Koch, archt., 120 Wisconsin St., taking bids and opens same about Aug. 18, 2 story, brick and concrete, plain foundation, Port Washington Rd., for Owl Realty Co. c/o T. C. Massett, 67 Keefe Ave. $150,000.

Minn., Carlton—Courthouse—Aug. 23, by O. W. Samuelson, aud. Carlton Co., 3 story, rein.-con., brick and tile. $150,000. C. W. Kelly, Lonsdale Bldg., Duluth, archt. Noted Nay 11.

Col., Denver—Temple—Aug. 17, by W. N. Bowman, archt., Central Savings Bank Bldg., 8 story, 125 x 125 ft., rein.-con. and stone, plain foundation, 14th and Grant Sts., for Colorado Consistory 1, Masonic Temple. $550,000.

Cal., Kerman—High School—Aug. 19, by A. Johnson, archt., Kingsburg Bank Bldg., Kingsburg, high school, for Kerman Union High School Dist. $150,000 bonds voted.

Cal., Oakland—High School—Aug. 21, by Bd. Educ., 1 story, brick and tile, 63rd St. and San Pablo Ave. $150,000. C. W. Dickey, 2149 Bway., archt.

Cal., Oakland—High School—Sept. 11, by Bd. Educ., 2 and 3 story, rein.-con. and tile. $700,000. C. W. Dickey, 2149 Bway., archt. Noted July 13.

Cal., San Francisco—Club—A. A. Brown, engr., 120 Market St., receiving bids 6 story addition, Sutter St. near Mason St., for Women's Athletic Club. $250,000. Bliss & Faville, Balboa Bldg., archts.

Ont., London—Art—Aug. 14, by J. M. Moore, archt., 489 Richmond St., constructing new arts building, gray stone, $250,000, also central heating plant, $30,000, for Western University. Prices wanted on materials.

Ont., London—University—Aug. 17, by J. M. Moore, archt., 489 Richmond St., science building, gray stone, for Western University. $250,000. Prices wanted on all materials. Noted June 1.

BIDS RECEIVED

N. Y., Astoria (Long Island City, P. O.)—School—C. B. J. Snyder, supt. schools, Concord St., Brooklyn, opened bids Aug. 2, for P. S. 70, on 12th Ave., here, from J. MacArthur Co., 22 Ormond Pl., Brooklyn, $597,000; F. J. Fellows Co., Springfield St., Laurelton, $599,000; E. Diebietch Co., 383 Madison Ave., $604,603. Noted July 27.

Pa., Jenkintown—High School—School Bd. opened bids for high school, from Barnes & McLoughlin, 17 South 17th St., Phila., $139,900, Moore & Co., 19th and Cherry Sts., Phila., $146,429.

CONTRACTS AWARDED

Mass., South Hadley—Dormitory—Mount Holyoke College, 3 story brick, stone and concrete, plain foundation, on Campus, to Casper Ranger Constr. Co., 20 Bond St., Holyoke. Archts. est. $450,000. Noted Nov. 27.

Mass., Worcester — Schools — School Comn., two 2 story, 10 room, brick and steel, plain foudations, Greendale and Lakeview Sections, to J. J. Roberts, 4 Wall St., and E. Belisle, 3 Linden St. Archts. est. $200,000.

Conn., New Britain — Hospital — New Britain General Hospital, Grand St., 4 and 5 story, U-shaped, rein.-con. and brick addition, plain foundation, Griswold and Hawkins Sts., to Eastern Eng. & Constr. Co., 945 Main St., Bridgeport. Archts. est. $350,000.

Conn., New Haven—School—St. Stanislaus Roman Catholic Church, 9 Eld St., 3 story, 90 x 195 ft. brick, concrete and steel, plain foundation, State St., to Sullivan & McKeown, 937 Dixwell Ave., New Haven, $201,688. Noted May 4.

Conn., Seymour—Bank—Seymour Trust Co., Main St., 43 x 83 ft., limestone, brick and marble, plain foundation, 38 ft. high, Main St., to M. A. Durrschmidt, 100 Main St., Derby. Archts. est. $150,000.

N. Y., Brooklyn—Schools—Bd. Educ., 500 Park Ave., New York, P. S. 161, Crown St. near New York Ave., to Frymier & Hanna, 25 West 45th St., New York, $594,000; P. S. 189, East New York Ave., to T. A. Clarke Co., 122 Livingston St., $573,0 . Noted July 27.

N. Y., Buffalo—Office—Hurst Private School, Brisbane Bldg., 4 story, 80 x 110 ft., rein.-con., brick and steel, on Franklin St., to Crooker & Carpenter, 405 Niagara Life Bldg., $180,000.

N. Y., New York—Apartment—J. Tischman & Son, 280 Madison Ave., 14 story, brick, steel and stone, 87th St. and Park Ave., by day labor. $1,500,000. Schwartz & Gross, 347 5th Ave., archts. and engrs.

N. Y., New York—Apartment—Twenty Sixty Nine Bway. Corp., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., 9 story, 50 x 102 ft., brick, steel and stone, plain foundation, 17 East 84th St., by day labor. Archts. est. $300,000. Noted July 20.

N. Y., New York—Hospital—Reconstruction Hospital, 395 Central Park West, 12 story, 105 x 125 ft., brick, steel and stone, 100th St. and Central Park West, to C. T. Wills Inc., 286 5th Ave. Archts. est. $1,000,000.

N. Y., New York—Store and Showroom—Roy Realty Co., c/o D. Wortman, archt. and engr., 116 Lexington Ave., 5 story, brick, steel and stone, 80 Madison Ave., by day labor. $150,000.

N. J., Belleville—High School—Bd. Educ., brick, steel and stone, to C. E. Bowman, Ridgewood. Archts. est. $250,000.

N. J., Nutley—School—Bd. Educ., brick, steel and stone, plain foundation, to Morgan Constr. Co., 207 Market St., Newark. Archts. est. $300,000. Noted May 18.

Pa., Erie—Store—Reliable Home Furnishing Co., 4 story, 81 x 145 ft. brick and steel, State St., to Mayer Bros. Constr. Co., Erie. Archts. est. $150,000.

Pa., Phila.—Office—Phila. Tract Society, 17th and Arch Sts., 4 story, 40 x 115 ft. brick and steel, plain foundation, 1707-9 Arch St., to Cramp & Co., Denckla Bldg. Archts. est. $150,000.

Pa., Pittsburgh—Bank and Office—Exch. Natl. Bank, 250 5th Ave., 7 story, 40 x 120 ft., brick, steel and stone, 5th Ave., to S. M. Siesel, Pittsburgh, and 105 Wells Ave., Milwaukee, Wis. Archts. est. $350,000. Noted June 15.

Pa., Pittsburgh—Store—McCrory Stores Corp., 1107 Bway., New York, 2 story, 48 x 50 ft. and 78 x 153 ft. brick and steel, East Diamond and Ohio Sts., here, to S. R. Cunningham, 6350 Marchand St. Engrs. est. $150,000.

N. C., Vanceboro—High School—Bd. Trustees, brick, to W. Clark, Wilmington. Archts. est. $150,000. Noted May 25.

Ind., South Bend—Bank—Amer. Trust Co., 4 story, 80 x 125 ft. brick, concrete, steel and terra cotta, Michigan St., to R. Sollit & Sons, 30 North LaSalle St., Chicago. Archts. est. $250,000. Noted June 29.

Ill., Chicago—High School—Bd. Educ., 650 South Clark St., 3 story, rein.-con., brick and steel addition, on Union Ave. and 47th St., to Paschen Bros., 111 West Washington St., $3,000,000. Noted May 4.

Ill., Chicago—Store and Office—Lawrence Ave. Trust Co., c/o F. J. Teich, archt., 64 West Randolph St., 3 story, 83 x 150 ft., rein.-con., brick and steel, 4752-8 Winthrop Ave., to Barrett Constr. Co., 7 South Dearborn St. Archts. est. $150,000. Noted June 1.

Ill., Urbana—Agricultural—University of Illinois, c/o J. M. White, superv. archt., 256 Administration Bldg., constructing agricultural building, to H. B. Krauel, Danville, $354,700. Noted June 15.

Minn., Duluth—Apartment—Devonshire Apartment Co., 324 East 17th St., Minneapolis, 3 story, 130 x 200 ft. brick and steel, 14th Ave. E. and 1st St., here, to Carlsted Bros., 542 Builders Exch., Minneapolis, $350,000.

Minn., Duluth—Apartment—C. F. DeZurick and H. Cotlow, Plymouth Bldg., Minneapolis, 3 story, rein.-con., brick and tile, 14th Ave. and 1st St., here, general contract to Carlsted Bros., 542 Builders Exch. Bldg., Minneapolis. Cost complete $325,000.

Minn., St. Paul—Apartment—T. Stohr, 1611 University Ave., 3 story, 112 x 166 ft. brick and tile, Portland Ave, near Saratoga St., to A. H. Heimback, Inc., 1611 University Ave. Cost complete, $225,000.

Ia., Des Moines—Apartment—Des Moines Impvt. Co., Fleming Bldg., general contract 3 story, 126 x 240 ft., rein.-con., brick, tile and stone, 2300 Grand St., to Fleisher Constr. Co., 6th and High Sts., $200,000.

Ia., Des Moines—Monastery—Order of Passionists, Merle Hay Rd. and Douglas Ave., general contract 3 story, 60 x 150 ft., rein.-con., brick, tile and stone, to C. Weitz Sons, 713 Mulberry St., $112,460. Archts. est. $150,000.

Neb., Lincoln — Capitol — State Capitol Comn., c/o . E. McKelvie, chn., Capitol Bldg., constructing superstructure of first section of capitol, 14th to 16th Sts., H to K Sts., Trade 1 mason work, Trade 2 concrete arches and fireproofing, Trade 3 cement and granolithic floors, Trade 4 gypsum roof slab, Trade 5 cut stone work, Trade 6 structural steel, Trade 7 light and ornamental iron, Trade 8 bronze work, Trade 9 marble work, Trade 10 tile work, Trade 11 slate work, Trade 12 timbrel tile vaulting and acoustic tile, Trade 13 rough carpenter work, Trade 14 roofing and sheet metal work, Trade 15 metal furring and lathing, Trade 16 plastering, Trade 17 interior wood finish, Trade 18 Kalamein work and metal covered doors, Trade 19 glazing, Trade 20 painting, Trade 21 elevator work, Trade 22 plumbing, Trade 23 heating and ventilating, Trade 24 electrical work, Trade 25 facing stone in rough blocks (no separate bids received), Trade 26 metal windows; Trades 1 to 4, 6 to 20, and 26 to J. H. Wiese Co., 1425 W. O. W. Bldg., Omaha, $1,356,185, who sublet Trade 4 to U. S. Gypsum Co., 204 West Monroe St., Chicago, Trade 6 to American Bridge Co., 71 Bway., New York City, Trade 7 to D. B. Marshall Co., 210 South 18th St., Omaha, Trade 8 to Art Metal Constr. Co., Jamestown, N. Y., Trades 9, 10, 11, 19 and 26 to Sunderland Bros. Co., 15th and Harney Sts., Omaha, Trade 12 to R. Gustavino Co., 1133 Bway., New York City, Trade 18 to C. B. Krause, 616-18-20 Keeling Bldg., Omaha, Trade 20 to J. E. White, 324 North 24th St., Omaha; Trade 5 to H. Struble Co., Bedford, Ind., $633,739; Trade 21 to Otis Elevator Co., Terminal Bldg., $4,000; Trades 22 and 23 to R. Parks Plumbing and Heating Co., 711 South 16th St., Omaha, $213,727; Trade 24 to W. G. Cornell Co., 45 East 17th St., New York City, $48,419. Noted July 6.

Mo., Kansas City—Club—Kansas City Athletic Club, 1016 Central St., 2 story, to Swenson Constr. Co., Shubert Theatre Bldg. Cost complete, $2,400,000.

Ark., Little Rock—Hospital—City, general contract hospital, to Stewart-McGehee Constr. Co., Kahn Bldg. Total cost $500,000.

Cal., Richardson Springs — Hotel — Richardson Bros. will build 5 story, rein.-con., by day labor. $200,000. C. N. Burrell, 1st Trust Bldg., Oakland, archt.

Buildings (Continued)

Cal., San Francisco—Market—Crystal Palace Market Co., 1175 Market St., will build 1 story, steel and concrete, Market St. near 8th St., by day labor. $250,000. D. C. Coleman, 110 Sutter St., archt.

Ont., Ottawa—Bank—Canadian Bank of Commerce, 106 Wellington St., 3 story, 60 x 100 ft. rein.-con., brick, steel and stone, Sparks St., to G. P. Graves Constr. Co., Ltd., Bank St., $250,000. Noted April 20.

Ont., Renfrew — Collegiate — S. T. C. Chown, chn. Bd. Educ., 3 story, 81 x 160 ft. rein.-con., brick and steel, to Anglin-Norcross, Ltd., 65 Victoria St., Montreal, Que., $129,550; plumbing to W. G. Edge, Ltd., 142 Bank St., Ottawa, $27,995. Noted July 6.

Federal Government Work

BIDS DESIRED

R. I., Providence—Dredging—Aug. 28 at Office U. S. Engineer, dredging in Bridgeport Harbor, Conn.; adv. this issue.

R. I., Providence—Dredging—Aug. 31 at U. S. Engineers Office, dredging in Pawtucket (Seekonk) River; adv. this issue.

Pa., Phila.—Dredging—Sept. 6 at Office U. S. Engineer, 815 Witherspoon Bldg., dredging in Delaware River, on Bellevue, Cherry and Liston ranges; adv. this issue.

D. C., Wash.—Remodeling—Spec. 4694—Aug. 16, by Bureau Yards & Docks, Navy Dept., Wash., D. C., remodeling subsistence building at U. S. Naval Hospital, here.

La., New Orleans—Sand and Gravel—Sept. 1 at U. S. Engineers Office, 329 Customhouse, sand and gravel for Southwest Pass, Mississippi River; adv. this issue.

La., New Orleans—Spur-dikes—Sept. 5, at Office U. S. Engineer, 329 Customhouse, spur-dikes at Southwest Pass, Mississippi River; adv. this issue.

La., New Orleans — Stone — Sept. 7, (change of date) at office of U. S. Engineer, 329 Customhouse, furnishing stone for Southwest Pass, Head of Passes, and South Pass, Mississippi River; adv. this issue.

CONTRACTS AWARDED

Cal., Petaluma—Dredging—U. S. Engineer, Custom House, San Francisco, dredging in Petaluma Creek, to United Dredging Co., foot of 11th Ave., Oakland, 445,000 cu. yd. at $0.0839. Noted July 13.

Miscellaneous

PROPOSED WORK

Transmission Lines—Jamestown, N. Y.—See "Industrial Work."

Gas Line—Mt. Morris, N. Y.—Pavillion Natural Gas Co., Mt. Morris, plans gas line from here to Dansville. $70,000.

Swimming Pool, Bath Houses, etc.—Allentown, Pa.—Lehigh Valley Transit Co., 802 Hamilton Ave., plans concrete and tile swimming pool, bath house, promenade, pumps and filtering system. $150,000. A. F. Smith, 14th and Gordon Sts., engr.

Transmission Line—Warren, Pa.—Warren Light & Power Co. plans 21 mi. high power transmission line from here to Tidioute, 33,000 volts. Cost to exceed $50,000. A. Stack, 219 Liberty St., mgr.

Wharf and Transit Shed Foundation—Tampa, Fla.—Rejected bids opened July 26, concrete wharf and transit shed foundation. R. D. Martin, city engr. Noted July 6.

Street Lighting — Shullsburg, Wis. — Making plans ornamental street lighting, 3 light posts. $25,000. W. F. Richardt, Watertown, engr.

Paving Materials—St. Paul, Minn.—Rejected bids opened June 15, materials for paving east and west alley in Block 6, Terrace Park addition; alley in Union Park and Hinkels Amendment and Hinkels third amendment; alley in Block 29, Summit Park Addition. Noted June 22.

Paving Materials — St. Paul, Minn. — H. W. Austin, city purch. agt., rejected bids opened July 24, materials for paving Hudson Rd. from Point Douglas Rd. to east city limits, Grand Ave. from Milton St. to Cretin Ave. and from Oakland Ave. to west line of Milton St. Noted July 20.

Pipe Line—Casper, Wyo.—Fargo Oil Co. plans 22 mi. of 8 in. iron pipe from Poison Spider Field to here, will use 4 and 6 in. pipe for gathering lines.

Stadium—Kansas City, Mo.—Bd. Park Comrs., having plans prepared by S. H. Kurfiss, archt., 1012 Scarritt Bldg., and soon takes bids 90 x 770 ft. stadium, 39th St. and Gilham Rd.

Pumps—Delhi, Cal.—Delhi Land Colony takes bids in about 2 months, one 8 sec.ft. booster pump, double suction, centrifugal, 30 ft. lift; one 6 sec.ft. centrifugal booster, double suction, 40 ft. lift; one 4 sec.ft. centrifugal booster, double suction, 30 ft. lift. E. Fortier, resident engr.

Amusement Park—Fresno, Cal.—Green Mill Amusement Park having plans prepared by Ellery, Frost & Patten, engrs., 1913 Fresno St., and takes bids about Aug. 20, for amusement park, incl. main building 125 x 250 ft., brick and concrete, with dining room, dance hall, billiard rooms, bowling alleys, rest rooms, playrooms and shower rooms, large swimming tank at rear of main building, parking sheds for 1,000 autos, 11 acres amusement concessions, 100 x 100 ft. conservatory, etc. $350,000.

Pipe—Oakland, Cal.—City appropriated $12,650 to purchase 2 in. pontoon pipe and ball joints; $6,266 for 20 in. steel shore pipe. E. K. Sturgis, clk.

Subway—Oakland, Cal.—Having plans prepared subway under tracks of Western Pacific Ry. at Dewey School. $36,000. M. Campbell, c/o Constr. Dept., Bd. Educ., engr.

Car Barns—Kitchener, Ont.—See "Railways."

BIDS DESIRED

Refined Asphalt, etc.—Brooklyn, N. Y.—Aug. 16, by E. Riegelmann, boro pres., Boro Hall, 130,000 gal. refined asphalt; 1,500 cu.yd. binder stone; 5,200 cu.yd. asphalt sand; 750 net ton limestone; 28,900 ft. lumber; 8,000 gal. tar road binder; 2,200 cu.yd. paving sand; 3,000 cu.yd. granite 1½ in. and 3,000 cu.yd. broken stone 1½ in.; 5,300 bbl. Portland cement; 30,000 asphalt paving blocks; 20,000 wood paving blocks.

Concrete Mixer — Buffalo, N. Y. — L. Clarke, 424 Prudential Bldg., in market for concrete mixer with engine.

Broken Stone, etc.—St. George, N. Y.—Aug. 14, by J. A. Lynch, pres. Richmond Boro, furnishing and delivering 1,000 cu. yd. 1½ broken stone of limestone and 100 yd. screenings; 400 cu.yd. grits.

Stone Jetty—Longport, N. J.—Aug. 22, by Bd. Comrs., extending stone jetties or sea walls or any or all of them on Atlantic Ocean in Longport Boro. W. S. Gilmore, clk.; adv. this issue.

Electric Street Lighting—Warren, O.—Aug. 15, by E. H. Braunberns, dir. Pub. Service, electric lighting streets, avenues, alleys and public places, incl. apparatus, poles, brackets, wires, incandescent lamps, fixtures, reflectors, fitting, connections, globes, etc. G. T. Hecklinger, clk.

Lighting System—Chicago Heights, Ill.—Aug. 21 by Bd. Local Impvts., street lighting system. Sheperd & Hovey, 1623 Monadnock Blk., Chicago, consult. engrs.; adv. this issue.

Stadium—Urbana, Ill.—University of Illinois receiving bids and opens same about Aug. 21, rein.-con., brick and steel stadium. $2,500,000. Holabird & Roche, 104 South Michigan Ave., Chicago, archts.

Reinforcing Rods, etc.—St. Paul, Minn.—Aug. 14, by H. W. Austin, city purch. agt., 63 ton deformed medium steel reinforcing rods and 2 freight elevators for Water Dept. O. Claussen, city engr.

Fire Alarm System, etc.—Kansas City, Mo.—Sept. 5, by Fire Comrs., fire alarm system incl. 130,000 ft. underground cable, 150 fire boxes, 29 fire stations, central exchange building, also complete telephone and telegraph system. $250,000.

Steel Bars—Oakland, Cal.—See "Industrial Works, under Bids Received."

BIDS RECEIVED

Portland Cement—New York, N. Y.—H. Bruckner, pres. Bronx Boro, Municipal Bldg., Crotona Park, opened bids Aug. 3, furnishing 3,500 bags Portland cement, from C. J. Mallett, 2523 Glebe Ave., Bronx, $2,397; J. A. McCarthy, 551 Exterior St., $2,432; E. E. Buehler Co., $2,555. Return of bags $0.10 per bag. Noted July 27.

Pier—Sarasota, Fla.—For 850 ft. concrete recreation pier, from G. S. Keen, Palmetto, $58,667; Carman Co., Tampa, $62,244; H. C. Daniels Constr. Co., West Palm Beach, $73,836. Noted July 13.

Coal Handling and Conveying Machinery—St. Paul, Minn.—Opened bids July 24, coal handling and conveying machinery for Water Dept., from F. J. Rose Co., 718 Metropolitan Life Bldg., Minneapolis, $9,400; Robinson, Cary & Sands Co., 4th and Wacouta Sts., St. Paul, $14,000; Chain Belt Co., 510 Baltimore Bldg., St. Paul, $15,300.

Wood Blocks and Cast Iron Specials—St. Paul, Minn.—H. W. Austin, purch. city agt., 496 sq.yd. 3½ in. creosoted wood blocks, from Walsh Tie Co., 914 Security Bldg., Minneapolis, $2.20 per sq.yd., Republic Creosoting Co., St. Louis Park, $2.25; 11.55 ton c.i. water pipe specials, from St. Paul Fdry. Co., Como Ave. and Mackubin St., St. Paul, $110 per ton, United States Cast Iron Pipe & Fdry. Co., 625 Plymouth Bldg., Minneapolis, $116.50, Bowler Fdry. Co., St. Paul, $118. Noted July 27.

CONTRACTS AWARDED

Pier Sheds and Grain Conveyor Gallery—Portland, Me.—Dirs. Port of Portland, 67 Commercial St., constructing north and south sheds and grain conveyor gallery, State Pier, Contr. 10, to M. A. Long Co., 1523 Munsey Bldg., Baltimore, Md. Noted June 22.

Borings—Long Island City, N. Y.—Transit Comn., 49 Lafayette St., New York, land and river borings along Roosevelt and 40th Aves. and in Flushing River, here, Agreement "B. W." to P. J. Healey, 480 Lexington Ave., New York, $2,944. Noted July 6.

Asphaltic Paving Cement—New York, N. Y.—J. Miller, pres. Manhattan Boro., furnishing and delivering 500 ton asphaltic paving cement to Standard Oil Co., 26 Bway., $18.40 per ton. Noted July 27.

Frogs, Switches, etc.—New York, N. Y.—Transit Comn., 49 Lafayette St., (1) installing frogs, switches, tracks and pumping posts in yard near Jerome Ave. and Moshula Parkway, Boro of Bronx, Jerome Ave. Line, Route 16, (2) additional approach track to Lenox Ave. and 148th St. Yard, to Slattery Eng. & Constr. Co., 10 East 43rd St., (1) $20,905, (2) $209,466; making changes in steel work at easterly approach to Queensboro Plaza Station, Routes 36 and 37, Sect. 1, Boro of Queens, to Jobson Gifford Co., 30 East 42nd St., $67,570. Noted Aug. 3.

Docks, Bulkheading, etc.—Tampa, Fla.—To McGucken, McGucken & Edwards, 204 Nebraska Ave., 2,288 lin.ft. wood sheet pile bulkhead $21,759, 879 wood piles for retaining wall and pedestal foundation $4,878, 102,614 ft. lumber for bulkhead caps, walls and flooring $8,503, 2,186 cu. yd. concrete for bulkhead, retaining wall and foundation pedestals $34,583, 19,526 lin.ft. concrete platform piles $41,395, 1,476 ft. straight concrete platform 30 ft. wide with railroad track $80,885, 695 ft. straight concrete platform, 30 ft. wide, without railroad tracks $29,204, 3,848 sq.ft. concrete work other than straight work $10,890, 84 lin.ft. 36 in. c.i. pipe for sewer outlet $1,512, total $233,608; Estuary project includes 15,000 cu.yd. rock fill, $68,250, 40,000 cu.yd. earth fill, $18,000, total $86,250. Noted April 13 and July 13.

Foundation and Excavation—Milwaukee, Wis. — St. Josephs Convent, 575 Layton Blvd., concrete foundation and excavation for 4 story, 150 x 150 ft., L shaped, addition to convent, rein.-con. and brick, to H. Schmitt & Son, 430 Farwell Ave. Superstructure to be erected later.

Paving Materials—St. Paul, Minn.—Materials for paving Hague Ave. from Lexington to Syndicate Aves., asphaltic concrete, (1) 1,233 bbl. portland cement to Corning Donohue Brick Co., 613 Ryan Bldg., St. Paul, $2.60 per bbl. delivered; (2) 960 cu.yd. crushed rock, and 1,149 cu.yd. screened sand, to J. L. Shiely Co., 305 Dakota Bldg., St. Paul, $2.66 and $1.50 respectively; (3) 104 ton asphalt, to Minnesota Road Equipment Co., 427 Plymouth Bldg., Minneapolis, $19.95 per ton. Noted Aug. 3.

Structural Steel, etc.—St. Paul, Minn.—H. W. Austin, city purch. agt., 12,688 lb. structural steel and 5,020 lb. miscellaneous steel and iron castings, to St. Paul Fdry. Co., Como Ave. and Mackubin St., $6,546; 535 tons of 6, 8 and 12 in. c.i. pipe, to Natl. Cast Iron Pipe Co., Tarrant City, Birmingham, Ala., $25,787; 500 ton 30 in. c.i. pipe, to U. S. Cast Iron Pipe & Fdry. Co., 625 Plymouth Bldg., Minneapolis, $24,100. Noted July 20.

Black Pipe—Eureka, Cal.—Furnishing 12,000 ft. 2 in. standard black pipe, to Moore & Cook, 609 2nd St., $11.95 per ton.

Structural Steel—Oakland, Cal.—See "Industrial Works, under Bids Received."

Gas Holder Foundation—San Francisco, Cal.—Pacific Gas & Electric Co., 445 Sutter St., foundation for gas holder, 3,800 cu.yd. concrete, 12,000 cu. yd. solid rock excav., 25,000 cu.yd. loose rock and earth excav., to Vensano & Co., Holbrook Bldg., $100,000.

Asphalt — Montreal, Que. — To Imperial Oil Co., St. Patrick St., 2,000 ton asphalt in tank cars $15 per ton, 100 ton asphalt in barrels $21.50 per ton.

Cast Iron Pipe — Montreal, Que. — To Canada Iron & Fdry. Co., 28 Victoria Sq., 300 lengths 8 in. c.i. pipe, 187,500 lb.; 100 lengths 10 in. pipe, 85,000 lb.; 1,017 lengths 12 in. pipe, 1,118,700 lb.; total $34,676.

Curbing—Montreal, Que.—To Villeray Quarry Co., 848 Du Rosaire St., 11,675 lin.ft. straight curbstone $1.15, 2,167 lin. ft. circular curbstone $1.25.

Granite Blocks—Montreal, Que.—Furnishing 100,000 granite blocks, to W. McNally Co., 50 McGill St., $113 per M.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ADVERTISEMENTS ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE.

OFFICIAL PROPOSALS

Bids: Aug. 15.

State Highway Work

Baltimore, Md.

SEALED PROPOSALS for building seven section of State Highway, as follows:

GARRETT COUNTY—Contract G-22—One section of State Highway from Gortner toward Red House, a distance of 2.0 miles—(Concrete).

FREDERICK COUNTY—Contract F-56—One section of State Highway from Middletown toward Myersville, for a distance of 2.03 miles—(Concrete).

MONTGOMERY COUNTY — Contract M-36—One section of State Highway along Flower Ave. from Carroll Ave. to Blair Road a distance of 1.0 miles—(Concrete).

HARFORD COUNTY—Contract H-28—One section of State Highway along the Phila. Road from Aberdeen toward the Balto. Co. Line, a distance of 2.0 miles—(Concrete).

SOMERSET COUNTY—Contract S-16—One section of State Highway from Marion toward Tulls Corner, a distance of 1.5 miles—(Concrete).

WORCESTER COUNTY—Contract WO-27—One section of State Highway from Bishop to Bishopville, a distance of 1.8 miles—(Concrete).

HOWARD COUNTY—Contract HO-25—One section of State Highway from the Columbia Pike near Ellicott City toward Pfeiffer's Corner, for a distance of 1.5 miles—(Concrete), will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. Standard Time, on the 15th day of August, 1922, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans will be furnished by the Commission upon application and cash payment of $1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred ($500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland, respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 27th day of July, 1922.

JOHN N. MACKALL,
Chairman.

L. H. STEUART,
Secretary.

Bids: Aug. 15.

Concrete Paving

Cape May, N. J.

Sealed bids will be received by the commissioners of the City of Cape May, N. J., until Tuesday, August 15, 1922, at ten o'clock standard time, for the laying of approximately 23,000 square yards of portland cement concrete paving, together with alternate bids for laying a like amount of a bituminous surface paving.

Bids must be accompanied by a certified check for an amount not less than five per cent of the total amount bid. Plans and specifications may be had on application to the City Engineer on making a deposit of five dollars, which will be refunded on return of plans and specifications in good condition. The commissioners reserve the right to reject any or all bids.

H. H. BELL,
City Engineer.

OFFICIAL PROPOSALS

Bids: Sept.7.

Viaducts and Approaches

Nashville, Tenn.

The Board of Public Works of the City of Nashville will receive sealed proposals for the furnishing of materials and labor and the constructing complete of the East Nashville Viaduct and of the East and West Approaches of the Church Street Viaduct, both to be located in Nashville, Tennessee, and to be prosecuted in accordance with the plans and specifications of Freeland, Roberts & Company, Consulting Engineers.

Proposals will be considered:

1—On a lump sum basis for the furnishing of all labor and materials and the constructing complete of the East Nashville Viaduct.

2—On a lump sum basis for the furnishing of all labor and materials and the constructing complete of the East and West Approaches of the Church Street Viaduct.

3—On a lump sum basis for the furnishing of all labor and materials and the constructing complete of the East Nashville Viaduct and the East and West Approaches of the Church Street Viaduct.

Plans, specifications and bidding blanks on file at the office of the City Engineer, City Hall and also at the office of the Consulting Engineers, Freeland, Roberts & Co., 1212-13 Independent Life Building, Nashville, Tennessee.

Plans can be obtained on application with a deposit of twenty-five ($25.00) dollars, per set, this fee to be refunded to depositor on return of plans and specifications in good condition.

A certified check for Five Thousand ($5,000.00) dollars, or approved bidding bond in the sum of five (5%) per cent of the amount of the proposal, executed in favor of the City of Nashville, must accompany each bid.

The successful bidder will be required to execute bond in the full amount of the contract price.

All proposals must be mailed or delivered to S. H. McKay, City Clerk, City Hall,, Nashville, Tennessee, on or before ten (10) o'clock a.m., Thursday, September 7th, 1922. Envelopes shall be marked, "Viaduct Proposal."

The Board of Public Works reserves the right to accept any bid or combination of bids, or to reject any or all bids and to waive all formalities.

APPROXIMATE QUANTITIES
Reinforced concrete 9,600 cu.yd.
Steel reinforcement 750 tons

FELIX Z. WILSON,
Mayor.

Attest:
S. H. McKAY,
City Clerk.

Bids: Aug. 15.

Paving

Wellington, Texas.

Sealed bids will be received by the City Clerk of Wellington up to 5 o'clock p.m. August 15th for furnishing all labor and material and constructing approximately 10,500 sq.yd. of concrete, brick, vibrolithic or bitullithic paving.

3% cashiers check must accompany each bid.

Plans on file with City Clerk. Contractors can secure plans from The Mackintosh Co., Engineers, Oklahoma City, upon deposit of $15.00. Refund of $10.00 when plans are returned.

OFFICIAL PROPOSALS

Bids: Aug. 23.

Improvement of Second Street

Henderson, Ky.

Sealed proposals for improvement of Second Street will be received by the Commissioner of Public Works and Property of Henderson, Kentucky until 12 o'clock noon standard time on the 23rd day of August, 1922, for the improvement of Second Street of the City of Henderson, Henderson County, Kentucky, from the east margin of Water Street to the west line of the right-of-way of the Illinois Central Railroad Company a distance of 5,115 feet to consist of paved carriageways, 18 feet in width on each side of the street, a curb along the center edge of these carriageways and at street intersections, catch basins with connections and inlets at intersections. Each proposal must contain the full name of every person or company interested in the same and must be accompanied by cash or a certified check made payable to the order of the City of Henderson, Kentucky, for a sum equal to five (5) per cent of the total amount of the bid, as a guarantee that contract will be entered into and proposals must be made on the complete work.

Requirements for bidding and instructions to bidders, form of proposal, contract, specifications, form of bond and plans may be obtained from the Commissioner of Public Works and Property of the City of Henderson or at the office of the engineers, Pearse Greeley & Hansen, 39 West Adams Street, Chicago, Illinois, upon receipt of fifteen dollars ($15.00) which sum so deposited will be refunded if said plans, specifications etc., are returned in good condition within thirty days (30) after the opening of bids.

CITY COMMISSION OF HENDERSON, KENTUCKY
By CLAY F. HALL,
Mayor.

Bids: Sept.

Spavinaw Water Project

Tulsa, Okla.

The Water Commission of the City of Tulsa, Oklahoma, contemplates receiving proposals during the last half of September for the construction of the Spavinaw Water Supply Project, for which $6,800,000 bonds have been voted.

The work contemplated consists of a masonry and earth dam 50 feet high, 28 miles of 60 inch and 25 miles of 54 inch pipe, a 78 inch tunnel 7,000 feet long, a 350,000,000 gallon storage reservoir, a 10,000,000 gallon high pressure reservoir, and approximately 7 miles of cast iron or steel force mains.

Plans and specifications will not be entirely completed before August 15th, but are now far enough advanced for contractors who contemplate bidding to look over the work. The engineers for the project are prepared to show intending bidders the location of the various works upon the ground and to give detailed information. Contractors contemplating inspecting the work should notify the engineers as far in advance as possible.

Formal notice to contractors will appear in this publication upon the completion of the plans.

THE WATER COMMISSION OF THE CITY OF TULSA
By A. J. RUDD,
Chairman.

Trammell & Holway, Engineers,
329 Kennedy Building,
Tulsa, Oklahoma.
Dabney H. Maury, Consulting Eng.,
Chicago, Ill.

OFFICIAL PROPOSALS

Bids: Aug. 30.

Highway and Street Paving

Little Rock, Ark.

Sealed bids will be received until ten a.m. of Wednesday August 30th, 1922 at the auditorium of the Board of Commerce, Little Rock, Arkansas, by the Board of Commissioners of Pulaski Road Improvement District Number Ten, for the construction of approximately forty miles of streets and roads. The principal items of construction are as follows:

422,000 sq.yd. Asphalt Surface.
244,000 sq.yd. Five inch Concrete Base.
38,000 tons Broken Stone, additional macadam foundation.
3,100 cu.yd. Concrete in culverts and bridges.
202,000 cu.yd. Excavation.
34,000 lin.ft. Concrete Curb.
185,000 lin.ft. Concrete Road Header.
79,000 Roadway ft. Concrete Road Header.

All proposals or bids must be accompanied by either a certified check drawn on a responsible bank or trust company, or, by a bidders bond made by a surety company authorized to do business in the State of Arkansas. The certified check or bidders bond must be payable to H. S. Turner, Secretary of the Board of Commissioners of Pulaski Road Improvement District Number Ten, for a sum not less than five per cent of the aggregate of the proposals made.

Plans and specifications, as well as additional information, may be secured from the Engineer.

The successful bidder will be required to furnish satisfactory surety construction bond in a sum equaling the amount of the contracts awarded him.

The right is reserved to accept or reject any and all proposals, and to waive informalities.

ROY L. THOMPSON,
Chairman.

H. S .TURNER,
Secretary,
216 Gazette Bldg.,
Little Rock, Ark.

D. A. MACCREA,
Chief Engineer,
215 Gazette Bldg.,
Little Rock, Ark.

Bids: Aug. 21.

Reinforced Concrete Paving

Princeton, N. J.

Notice is hereby given that sealed bids will be received by Princeton Township Committee for the construction of a reinforced concrete pavement in the Township of Princeton in the County of Mercer, with a cement concrete surface upon an old macadam foundation, estimated amount of concrete surface pavement reuired is 5,327 square yards; and opened and read in public at the office of the Princeton Township Committee, Branch Building, Princeton, N. J., on Aug. 21, at seven p.m., Standard Time.

Drawings, specifications and forms of bid, contract and bond for the proposed work, prepared by Sincerbeaux and Moore, Engineers, and approved by the State Highway Commission, have been filed in the office of the said Engineers at 705 American Mechanic Building, Trenton, N. J., and Asbury Park Trust Co. Bldg., Asbury Park, N. J., and First National Bank Bldg., Princeton, N. J., and of said State Highway Commission, Trenton, N. J., and may be inspected by prospective bidders during business hours. Bidders will be furnished with a copy of the specifications and blue prints of the drawings by the Engineer on proper notice* and payment of cost of preparation. Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of bidder and name of road on the outside, addressed to Princeton Township Committee and must be accompanied by a certificate of surety and a certified check for not less than ten (10) per cent of the amount bid, provided said check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the place and on the hour above named. The standard proposal form is attached to the specifications, copies of which will be furnished on application to Engineer.

By order of Princeton Township Committee.

ELLWOOD J. LAWRENCE,
Chairman.

MARTIN CLAUSEN,
Clerk.

*$10.

OFFICIAL PROPOSALS

Bids: Aug. 15.

Highway Work

Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., on TUESDAY, the 15th day of August, 1922, at one o'clock p.m. advanced standard time, which is twelve o'clock noon, eastern standard time, for the improvement of the highways in the following counties:

CAYUGA.....(one highway: 4.13)
CORTLAND.....(one highway: 3.54)
ESSEX.....(one highway: 5.19)
ORANGE.....(one highway: 7.96)

Also for the reconstruction of the following:

COLUMBIA.....(one contract: 3.11)
DUTCHESS.....(two contracts: 0.24) and 3.04
LEWIS.....one contract: 3.00)
ORLEANS.....(one contract: 2.08)

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the division engineers in whose division the roads are to be improved or reconstructed. The addresses of the division engineers and the counties in which they are in charge will be furnished upon request.

The special attention of bidders is called to "General Information for Bidders" in the itemized proposal, specifications and contract agreement.

HERBERT S. SISSON,
Commissioner.

J. C. FINCH,
Secretary.

Largest Circulation of Any Technical Paper

Engineering News-Record's circulation—over 30,000 weekly—is the largest of any technical paper printed. It includes among its readers practically every contractor, dealer, and manufacturer in the country who is interested in bidding on public works contracts—either local or outside of his immediate vicinity.

Bids: Aug. 15.

Paulsboro-Gibbstown Road

Woodbury, N. J.

Notice is hereby given that sealed bids will be received by the Board of Chosen Freeholders of the County of Gloucester for reconstruction of Paulsboro-Gibbstown road, in the Township of Greenwich, in the County of Gloucester, New Jersey, with a reinforced concrete pavement, estimated amount of concrete pavement required is 28,008 sq.yd., and opened and read in public at Court House, Woodbury, N. J., on Tuesday, August 15th, 1922, at 10.00 o'clock a.m., Eastern Standard Time.

Drawings, specifications and forms of bid, contract and bond for the proposed work, prepared by William C. Cattell, County Engineer, have been filed in the office of the said engineer at Woodbury, N. J., and may be inspected by prospective bidders during business hours. Bidders will be furnished with a copy of the specifications and blue prints of the drawings by the engineer on proper notice and payment of cost of preparation. Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of bidder and name of road on the outside, addressed to the Board of Chosen Freeholders of the County of Gloucester and must be accompanied by a certified check for not less than ten (10) per cent of the amount bid, provided said check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the place and on the hour above named. The standard proposal form is attached to the specifications, copies of which will be furnished on application to engineer.

By order of the Board of Chosen Freeholders of the County of Gloucester.

CHESTER N. STEELMAN, Clerk.
WM. C. CATTELL, County Engineer.

OFFICIAL PROPOSALS

Bids: Aug. 15.

Paving of Ocean Avenue

Long Branch, N. J.

Notice is hereby given that sealed proposals will be received by the Board of Commissioners of the City of Long Branch, New Jersey, for the paving of Ocean Avenue in said City from Sea View Avenue southwardly to Brighton Avenue with approximately 60,000 square yards of asphalt upon a concrete foundation, with concrete gutters 3 feet wide, together with new concrete curb and other work incidental to said improvement including those portions of driveways of intersecting streets or alleys which are included within the property line of said avenue above mentioned and will be opened and read at a regular meeting of the Board of Commissioners at City Hall, Long Branch, New Jersey, on Tuseday, evening, August 15, 1922, at 8 o'clock Day Light Saving Time, or as soon thereafter as same can be presented.

Drawings and specifications prepared by J. W. Seaman, City Engineer, are now on file in the office of the City Clerk and at the office of the engineer, and may be obtained from the engineer by prospective bidders during business hours, upon a deposit of $10, which will be refunded upon return of the plans and specifications in good condition at or before the time the bids are received.

All bids must be made on the standard proposal form in the manner designated therein and required by the specifications and must be enclosed in sealed envelopes bearing the name and address of the bidder and marked "Bid for paving Ocean Avenue" and addressed to Frank C. Quinn, City Clerk, and must be accompanied by a surety company certificate stating that said surety company will provide the bidder with the required bond on the proposed work. No bid will be considered unless accompanied by a certified check for not less than 10% of the amount bid on the work, drawn to the order of Frank L. Howland, City Treasurer or cash in equal amount.

The standard proposal forms and data may be obtained on application to the engineer at his office 192 Broadway, Long Branch, New Jersey.

The Board of Commissioners reserve the right to reject any or all bids if deemed to the best interest of the City so to do.

Dated Long Branch, New Jersey, August 3, 1922.

FRANK C. QUINN,
City Clerk.

Bids: Aug. 30.

Tunnel

Providence, R. I.

Sealed proposals for building the Tunnel portion of the Scituate Aqueduct located in the Town of Scituate and the City of Cranston, R. I. about 8 miles southwesterly of the City of Providence, R. I. will be received at the office of the Water Supply Board, City Hall, Providence, R. I. until 1:30 P.M. Eastern Standard Time (2:30 P. M. daylight saving time) on Wednesday, August 30, 1922, at which time and place they will be publicly opened and read.

The work will include the construction of a concrete lined tunnel about 3¼ miles in length with an area inside the lining equivalent to a circle 7 feet 9 inches in diameter but of a horse shoe shape except at and near the portals where a 7½ foot circular section will be used. A construction shaft about 140 feet in depth will be required. It is expected that the tunnel will be in rock for substantially its entire length. Some of the principal estimated quantities are: tunnel excavation 60,000 cubic yards, concrete 28,500 cubic yards, excavation in open cut 17,000 cubic yards.

Pamphlets containing plans, information for bidders, form of proposal, contract and bond and specifications, may be obtained on or about August 9 from the Secretary of the Board, City Hall, or from the Chief Engineer, 631 Westminster Street.

CITY OF PROVIDENCE
WATER SUPPLY BOARD.
B. THOMAS POTTER,
Chairman

SAMUEL N. GRAMMONT,
Secretary.
FRANK E. WINSOR,
Chief Engineer.

OFFICIAL PROPOSALS

Bids: Aug. 23.

State Highway Work

Dover, Del.

Sealed proposals will be received by the State Highway Department, at its office, Dover, Delaware, until 2 o'clock p. m., August 23, 1922, and at that place and time publicly opened, for the construction of State Highways, involving the following approximate quantities:

CONTRACT No. 41-A

Superstructure (Steel) Laurel Bridge

Structural Steel—
- 111,000 lb. Moving parts.
- 40,000 lb. Fixed parts.
- 7,000 lb. Cast steel track plates.

Machinery—
- 6,400 lb. Racks, gears, bearings, misc.
- 1,220 lb. Forged steel.
- 800 lb. Cold rolled shafting.
- 80 lb. Bronze.
- 1,500 lb. Reinforcing steel.
- 65 cu.yd. Counter weight. (Plain concrete)
- 12 M. B. M. Flooring.
- 80 lin.ft. Pipe railing.
- Selected Motor and Housing.

The Scherzer Rolling Lift Bridge Co., Chicago, Ill., are the designers of the steel superstructure.

The contract will be for a lump sum.

CONTRACT No. CN-8

Thru Townsend. 0.427 Miles.
- 1,050 cu.yd. Excavation.
- 810 cu.yd. Cement Concrete Pavement.
- 200 lb. Reinforcement.

CONTRACT No. CN-9

Thru St. Georges. 0.20 Miles.
- 600 cu.yd. Excavation.
- 430 cu.yd. Cement Concrete Pavement.
- 100 lb. Reinforcement.

Performance of contract shall commence within ten (10) days after execution of the contract and be completed during 1922.

Monthly payments will be made for 90 per cent of the construction completed each month.

Bidders must submit proposals upon forms provided by the Department.

Each proposal must be accompanied by a surety bond, certified check, or money to the amount of at least ten (10) per centum of the total amount of the proposal.

The envelope containing the proposal must be marked "Proposal for the Construction of State or State Aid Highways."

The Contract will be awarded or rejected within twenty (20) days from the date of opening proposals.

The right is reserved to reject any or all bids.

Detailed plans of CN-8 and CN-9 may be seen at Dover.

General plan with stress sheet for Contract 41-A, index plans for Contract CN-8 and CN-9 and specifications for each may be obtained upon deposit of $10, which amount will be refunded upon return of plans and specifications in good condition at the office of

STATE HIGHWAY DEPARTMENT,
Dover, Delaware.

Bids: Aug. 22.

Steel Bridge

Athens, Ga.

Sealed proposals will be received by the Board of Commissioners of Roads and Revenues of Clarke County, Georgia, at the office of said Board in the Court House at Athens, Georgia, until Noon, City time, August 22, 1922, for the furnishing of all labor, material, equipment and other things necessary for the erection of a bridge on River Street in the City of Athens, Georgia, where said Street crosses the Oconee river.

The said bridge is to be constructed of steel, to be approximately 135 feet in length with a roadway 24 feet wide, and a sidewalk 5 feet in width on one side, and provisions made for carrying an eight inch water main on the other side. The County of Clarke is to construct the substructure and to have the same in readiness for the erection of the bridge proper.

Specifications may be had by applying to the undersigned.

By order of said Board.

TATE WRIGHT,
Clerk and County Attorney.

OFFICIAL PROPOSALS

Bids: Sept. 1.

Superstructures for Filtration Plant

Bay City, Mich.

Sealed proposals for constructing the superstructures for a filtration plant and miscellaneous work will be received at the office of the City Manager, City Hall, Bay City, Michigan, until ten o'clock a.m., Eastern Standard Time, on Sept. 1st, 1922.

All bids must be made upon blank proposal forms furnished by the City and each bid must be accompanied by a proposal bond or certified check for $5,000.

Surety bonds in the sum of 50% of the contract will be required of the successful bidder.

Plans, proposal forms, contract and specifications may be obtained at the office of the City Manager, City Hall, Bay City, Michigan, and also from the Frazier-Ellms-Sheal Company, Engineers, Illuminating Building, Cleveland, Ohio, upon deposit of fifty dollars which deposit will be refunded upon return of plans and specifications in good condition.

The City reserves the right to accept any bids or to reject any and all bids.

WM. H. REID,
City Manager.

Engineering News-Record Reaches Your Local Contractors

Its distribution among the contractors of any one state is in proportion to the number of contractors situated in that state. The Official Proposal Columns of *Engineering News-Record* offer precisely the same efficient service to municipalities, counties, and state and government departments in every section of the United States.

Bids: Aug. 18.

Channel Work

Bloomington, Ill.

Sealed bids will be received by the Trustees of the Bloomington and Normal Sanitary District, at 404 Unity Building, Bloomington, Illinois, up to 2 o'clock p. m., August 18, 1922, for construction of the open channel work of the District as follows:
- 71,300 cubic yards excavation in open channel.
- 76,200 square yards hand dressed spoil bank.
- 150 lineal feet retaining wall requiring 56 cu. yd. concrete.
- 75 lineal feet reinforced concrete sewer crossing under channel.
- 1 manhole on 33-inch sewer.
- 1 manhole on 48-inch sewer to be repaired.
- Supports for two sewers crossing proposed channel.

Open channel has bottom widths from 8 feet to 26 feet, with side slopes 1½ to 1, average depth 7 feet.

Separate bids will be received on the dredging and spoil bank work and on the incidental work above listed.

All bids must be on forms prescribed by the Trustees and bidding blanks may be obtained from Taylor & Woltmann, 428 Unity Bldg., Bloomington, Illinois, Engineers for the District.

Plans, profiles and specifications for the work may be obtained from the Engineers.

All bids must be accompanied by a check for 10 per cent of the amount of the bid, certified by a responsible bank, payable to John W. Harber, President of Board of Trustees.

The Trustees reserve the right to reject any and all bids.

Dated Bloomington, Illinois, July 8, 1922.

JOHN W. HARBER,
FRED D. BARBER,
JOHN J. CONDON,
Trustees, Bloomington and Normal Sanitary District.

OFFICIAL PROPOSALS

Bids: Aug. 16.

Street Paving

Nashville, Tenn.

Notice is hereby given that sealed proposals will be received at the office of the City Clerk until 10 o'clock a.m. Wednesday, August 16, 1922, for constructing street paving on the following streets, to-wit:

GRANITE BLOCK PAVING (RESURFACE)

Buchanan Street from 9th Avenue to 18th Avenue, South Second Street from Woodland Street to Fatherland Street.

BITUMINOUS CONCRETE PAVEMENT (RESURFACE)

Sixth Avenue, South, from Broadway to Bell Street.

ASPHALTIC PAVEMENT (RESURFACE)

Hayes Street from 15th Avenue to Louise Avenue, Terrace Place from 20th Avenue to 21st Avenue, Villa Street from South Street to Tremont Street, McMillin Avenue from Church Street to Cedar Street, Heffernan Street from 18th Avenue to 21st Avenue, South Second Street from Fatherland Street to Shelby Avenue, Seventh Street from Woodland Street to Bienville Street, Foster Street from First Street to Seventh Street, Shelby Avenue from Second Street to Tenth Street, South Tenth Street from Woodland Street to Shelby Avenue.

ASPHALTIC PAVEMENT (NEW GRADING AND PAVING)

Highland Avenue from Twenty-fifth Avenue to Twenty-eighth Avenue, Glen Avenue from Ninth Avenue to Bradford Avenue, Halcyon Avenue from Ninth Avenue to Twelfth Avenue, Montrose Avenue from Ninth Avenue to Twelfth Avenue, Nineteenth Avenue, South, from Acklen Avenue to point 525 feet south, Twentieth Avenue, South, from Acklen Avenue to point 525 feet south, Heffernan Street from Twenty-first Avenue to Twenty-eighth Avenue, Evander Street from Woodland Street to Holly Street, Russell Street from Nineteenth Street to Twentieth Street, South Nineteenth Street from Shelby Avenue to Electric Avenue, South Nineteenth Street from Russell Street to Shelby Avenue, Ashworth Avenue from Eighteenth Street to Shelby Park, Alley No. 919 (between West Belmont Circle and Eighteenth Avenue) from Acklen Avenue to point 500 feet south.

Approximately 13,000 square yards of Granite Block Paving, 3,000 square yards of Bituminous Concrete Paving, 79,000 square yards of Asphaltic Paving (Resurface) and 50,000 square yards of Asphaltic Paving (New Grading and Paving) will be required. Separate proposals must be submitted for each street on blank forms accompanying specifications, which will be furnished by Wm. W. Southgate, City Engineer, upon application. A charge of fifty cents (50c.) per copy will be made for each specification and proposal furnished. Proposals must be accompanied by a certified check payable to the order of the City of Nashville in an amount equivalent to ten per cent of the aggregate bid, or an approved bond in a penal sum of like amount with a solvent surety indemnity insurance company authorized to do business in the State of Tennessee. The said checks and bonds will be returned to unsuccessful bidders upon award of contract, and to successful bidders when they shall have entered into contract and made approved bond for the faithful performance of said contract as required by law. The right is reserved to reject any and all bids.

By order of the Board of Public Works.

FELIX Z. WILSON,
Mayor.

Attest:
S. H. McKAY,
City Clerk.

Bids: Aug. 18.

Brick and Stone Church

Madisonville, Ky.

The building committee of The Methodist Episcopal Church South, of Madisonville, Ky., will receive proposals for the erection of a brick and stone church up until 10 o'clock a.m., August 18th, 1922.

Plans and specifications may be had upon application to Rev. J. A. Baylor, Architect, 1115 Fourth Ave., Louisville, Ky., or the chairman of the committee.

A certified check for $2,500.00 payable to J. B. Scott, Treasurer, or a proposal bond executed by some good bonding company must be enclosed with each proposal.

The committee reserves the right to reject any or all proposals.

BASIL M. BROOKS, Chn. of Committee.

OFFICIAL PROPOSALS

Bids: Aug. 16.

Steel Tower Tank

Sayreville, N. J.

Sealed proposals will be received by the Mayor and Borough Council of the Borough of Sayreville, N. J., at the Borough Council Chambers, Borough Hall, in the Borough of Sayreville on the 16th day of August, 1922 at the hour of 8 o'clock P. M., Daylight Saving Time and 7 o'clock P. M., Standard Time, for furnishing of 100,000 gallon steel tank on a tower sixty (60) feet high to the balcony, and erecting on foundations to be provided by the Borough of Sayreville.

All of said work to be done in accordance with the specifications prepared by Waldo S. Coulter, Consulting Engineer, 114 Liberty Street, New York, N. Y., and which said specifications were adopted by the Borough Council of the Borough of Sayreville, the meeting held Wednesday, March 15, 1922, which said specifications are now on file in the office of the Borough Clerk, Borough Hall, Sayreville, N. J., where they may be seen by bidders or a set of said specifications can be obtained from Waldo S. Coulter, Consulting Engineer upon the payment of two dollars ($2.00), which sai dsum of two dollars ($2.00) will not be refunded.

Each bidder shall submit with his proposal a drawing showing the sizes of the various members and the dimensions of the structure he proposes to **furnish** under this contract.

Each proposal must be in a sealed envelope and marked, "Proposal for Steel Tower Tank." Each bid must be accompanied by a certified check for five hundred dollars ($500) made payable unconditionally to the Treasurer of the Borough of Sayreville, which check must be presented with the bid as a guarantee that the bidder will within ten (10) days after receiving the award, enter into contract with the Borough of Sayreville for the performance of the work, and will also provide a Surety Company bond to be approved by the Borough Attorney in the sum of five thousand dollars ($5,000) for the faithful performance of the said contract.

The Mayor and Borough Council reserve the right to reject any and all bids.

The erection and construction of said steel tower tank must be completed within 150 consecutive working days from the date of the signing of the contract.

EDWARD E. CLARK,
Mayor.

Attest:
FRANK P. KOLB,
Borough Clerk.

Approved:
THOMAS H. HAGERTY,
Borough Attorney.

Bids: Sept. 16.

Tenders for Plant

Melbourne, Australia.

Tenders are hereby invited for the supply, delivery, etc., of the following for the Morwell Power Scheme.

Copies of Tender Form and Specification will be available upon application to: Office of the Bureau of Foreign & Domestic Commerce, United States Department of Commerce, First National Bank Building, CHICAGO, and Office of the Bureau of Foreign & Domestic Commerce, United States Department of Commerce, 734 Customs House, NEW YORK CITY.

SPECIFICATION NO. 261—STRAIN & PIN TYPE INSULATORS

CHARGE: £2:2:0 for the first three copies of Tender Form, Conditions of Contract, Specification and Drawing complete. These charges will be returned on receipt of a bona fide tender. A fourth copy and any further copies will be supplied for the sum of 10/6 each.

PRELIMINARY DEPOSIT: A preliminary deposit of £100:0:0 is to lodged with Tender.

The Specification may be inspected at the above mentioned Offices, and also at the office of: The Commissioner for Australia in U. S. A., Room 3012, 61 Broadway, NEW YORK.

The Commission does not bind itself to accept the lowest or any tender.

Tenders on prescribed form, properly endorsed and addressed, must be delivered to the undersigned in Melbourne not later than Noon, 16th September, 1922.

R. LIDDELOW, Secretary,
State Electricity Commission of Victoria,
Melbourne,
Victoria, Australia.

Bids: Sept. 1.

Substructures for Filtration Plant and Miscellaneous Work

Bay City, Mich.

Sealed proposal for constructing the Substructures for a Filtration Plant and Miscellaneous Work will be received at the office of the City Manager, City Hall, Bay City, Michigan, until ten o'clock a.m., Eastern Standard Time, on September 1st, 1922.

All bids must be made upon blank proposal forms furnished by the City, and each bid must be accompanied by a proposal bond or certified check for $10,000. Bids will be compared on the basis of the Engineer's estimate of quantities.

Surety bonds in the sum of 50% of the contract will be required of the successful bidder.

Plans, proposal forms, contract, and specifications may be obtained at the office of the City Manager, City Hall, Bay City, Michigan, and also from The Frazier-Elms-Sheal Company, Engineers, Illuminating Building, Cleveland, Ohio, upon deposit of fifty dollars, which deposit will be refunded upon return of plans and specifications in good condition.

The City reserves the right to accept any bid or to reject any and all bids.

WM. H. REID,
City Manager.

National Publicity Offers a Two-Fold Advantage

Giving calls for bids National publicity opens the way for additional and possibly lower offers from outside bidders to whom work can be let, if desired.
Then too, local contractors, seeing your contracts advertised Nationally will figure closer, realizing that the field of competitors for the work is greatly enlarged.
An advertisement printed in the Official Proposal Columns of *Engineering News-Record* brings the contract to the attention of not only local bidders but, in addition, any others who might be interested.

Bids: Aug. 15.

Sewerage System

Long Branch, N. J.

Notice is hereby given that sealed proposals will be received by the Board of Commissioners of the City of Long Branch, New Jersey for the installation of the extension of the present municipal sewer in the City of Long Branch, together with the building of a pumping station, and will be opened and read at a regular meeting of the Board at City Hall on Tuesday August 15, 1922, at 8 o'clock in the evening Day Light Saving Time.

The approximate amount of work to be done consists of 5,500 lineal feet of 8 inch terra cotta pipe, 2,500 lineal feet of 5 inch curb connections together with the building of the receiving basin and pumping station all as shown on plans and specifications prepared by J. W. Seaman, City Engineer, which may be obtained by applying to the engineer at his office 192 Broadway, Long Branch, New Jersey, upon a deposit of $10, which will be refunded upon the return of the plans and specifications in good condition, on or before the time the bids are received.

Bids must be made on standard proposal form in the manner designated therein and required by the specifications and must be enclosed in sealed envelopes bearing the name and address of the bidder and marked "Bids for Sewer" and addressed to Frank C. Quinn, City Clerk, and must be accompanied by a certifiied check for not less than 10% of the amount bid on the work, drawn to the order of Frank L. Howland, City Treasurer, or cash in equal amount. The Board of Commissioners reserves the right to reject any or all bids if deemed to the best interest of the City so to do.

Dated, Long Branch, New Jersey, August 3, 1922.

FRANK C. QUINN,
City Clerk.

Bids: Aug. 17.

Road Improvement

Jonesboro, Arkansas.

Sealed bids for the improvement of certain roads in Lake City Nettleton and Bay Road Improvement District No. 1, Craighead County Arkansas, will be received by the Commissioners of said District at the Office of the Secretary, Jonesboro, Arkansas, on the 17th day of August 1922 at 2 P.M. at which time and place they will be publicly opened and read.

The work proposed consists of the following approximate items:

120,750 square yards Bituminous Macadam surface course (Penetration method) on old waterbound macadam base.

2,000 cubic yards Re-constructed base course.

Plans and specifications may be examined at the office of the Secretary of the District, Jonesboro, Arkansas or at the office of the Engineers, Klyce and Kackley, Nashville, Tenn., and Jonesboro, Arkansas, or at the office of the State Highway Commission, Little Rock, Arkansas. A copy may be obtained from the Engineers upon a receipt of a deposit $10.00 of which amount $5.00 will be refunded when the plans and specifications are returned in good order. If additional information is required, address the Engineers.

All proposals or bids must be accompanied by a certified check drawn on a responsible bank or trust company or by a bidder's bond made by a corporation approved by the State Highway Commission. Certified checks or bidder's bond must be payable to E. E. Randolph, Secretary of the Board of Commissioners, Lake City, Nettleton and Bay Road Improvement District No. 1, Craighead County, for a sum not less than $6,000.00.

The successful bidder will be required to furnish construction bond in a sum equaling the amount of the contract. The right is reserved to accept or reject any or all proposals and to waive informalities.

The contractor will be paid cash on monthly estimates prepared by the engineers and approved by the State Highway Engineer amounting to 85 per cent of the work done.

E. E. RANDOLPH,
Secretary Board of Commissioners.

Klyce & Kackley,
720-4th and 1st Bank Bldg.
Nashville, Tenn.
Engineers for the District.

Bids: Aug. 25.

Construction of Main Sewer to Shorewood and Whitefish Bay.

Milwaukee, Wis.

Published by authority of the Metropolitan Sewerage Commission of the County of Milwaukee.

Sealed proposals for the construction of extensions to the Intercepting Sewer System of the County of Milwaukee, Wisconsin, will be received by the Metropolitan Sewerage Commission at its offices, 508 Market Street, Milwaukee, Wisconsin, until 2:00 o'clock p.m., August 25th, 1922, at which time and place the proposals will be publicly opened and read.

The work to be done embraces the building of approximately the following work:

484 lineal feet of 18 inch Siphon.
4,872 lineal feet of 42 inch Concrete Sewer.

Together with all manholes and other appurtenances.

The time allowed for completion of this contract shall be nine (9) months from the date of the engineer's notice to begin work.

Each proposal submitted must be accompanied by a cash deposit of, or, in lieu thereof, by a certified check drawn upon a National or State Bank or Trust Company, and to the order of the "Metropolitan Sewerage Commission of the County of Milwaukee" to the amount of Twenty five Hundred ($2,500.00) Dollars.

Specifications and blank forms of proposals can be obtained and detailed plans examined at the office of the Metropolitan Sewerage Commission, 508 Market Street, Milwaukee, Wis., and a full set of plans will be sent to any contractor upon receipt of Five ($5.00) Dollars. This sum will be returned upon surrender of the plans in good condition, if returned within thirty days after the award of the contract.

JOHN H. FOWLES,
Secretary.

OFFICIAL PROPOSALS

Bids: Aug. 16.

Sewerage System

Sayreville, N. J.

Sealed proposals will be received by the Mayor and Borough Council of the Borough of Sayreville, N. J., at the Borough Council Chambers, Borough Hall in the Borough of Sayreville on the 16th day of August, 1922 at the hour of 8 o'clock P. M., Daylight Saving Time and 7 o'clock P. M., Standard Time, for the construction of a system of sewers and appurtenances in the Borough of Sayreville. The work will in general consist of about

49,700 lin.ft. of 8 Inch Sewers
7,900 lin.ft. of 10 Inch Sewers
1,736 lin.ft. of 8 Inch c.i. outfall sewer on piles
3,700 lin.ft. of 6 Inch c.i. force main
1,470 lin.ft. of 10 Inch force main

together with sewage pumping stations and various appurtenances.

All of said work to be done in accordance with the plans, profiles and specifications prepared by Waldo S. Coulter, Consulting Engineer, 114 Liberty Street, New York, N. Y., which said plans, profiles and specifications were adopted by the Borough Council of the Borough of Sayreville at the meeting held Wednesday, March 15, 1922, and which said plans, profiles and specifications are now on file in the office of the Borough Clerk, Borough Hall, Sayreville, N. J., where they may be seen by bidders or a set of the said plans, profiles and specifications can be secured from Waldo S. Coulter, Consulting Engineer, by depositing fifteen dollars ($15.00) one-half of which will be refunded upon the return of the plans, profiles and specifications in good condition within seven (7) days after the award of the contract. All bids must be on the form of proposal to be obtained from the Consulting Engineer.

Each bidder must accompany his bid by a certified check of five thousand dollars ($5,000) payable unconditionally to the Treasurer of the Borough of Sayreville, which said check must be presented with the bid as a guarantee that the bidder will within ten (10) days after receiving the award enter into and execute a contract for the faithful performance of the work to be done under said contract, and said bid must be in a sealed envelope and marked "Proposal for a Sewerage System." The successful bidder will also be required to furnish a Surety Company bond to the Borough of Sayreville in the amount of Fifty thousand dollars ($50,000) for the faithful performance of the work to be done under said contract, said bond to be approved by the Borough Attorney.

In case of failure to execute the contract and furnish the required Surety Company bond within ten (10) days after due notice that the contract has been awarded to him, the successful bidder shall forfeit his deposit to the Borough of Sayreville as liquidated damages.

The right to reject any or all bids is reserved by the Mayor and Borough Council.

All of said work must be completed on or before December 1, 1923.

EDWARD E. CLARK,
Mayor.

Attest:
FRANK P. KOLB,
Borough Clerk.
Approved:
THOMAS H. HAGERTY,
Borough Attorney.

Bids: Aug. 18.

Water Purification Plant

Sebring, Ohio.

Sealed bids for the construction of a 2 million gallon water purification plant will be received by the Village Clerk until 12 o'clock noon, on August 18, 1922.

Plans and specifications may be seen at the office of the Clerk or may be obtained from Burgess and Niple, Engineers, 223 East Broad Street, Columbus, Ohio, on deposit of ten dollars of which five dollars will be refunded on return of plans and specifications within ten days after letting. A bond or certified check in the sum of ten per cent of the amount of the bid shall accompany the proposal.

The Village reserves the right to reject any and all bids, and to waive informalities.

THE VILLAGE OF SEBRING, OHIO
JAMES G. EARDLEY,
Clerk.

OFFICIAL PROPOSALS

Bids: Aug.21

Dredging

Norwalk, Conn.

Sealed proposals will be received by the Mayor of the City of Norwalk, Conn., at 7 o'clock P.M. (daylight saving time) on August 21, 1922, for dredging in Norwalk Harbor.

The dredged material is to be pumped upon the land near to the area from which the material is taken in order to form a City park and to fill a low area north of the park.

The approximate amount of mmaterial to be dredged is 250,000 cu.yds.

Plans, specifications and proposal blanks may be obtained from the City Clerk, South Norwalk, Conn., upon the depossit of $10., which amount will be refunded upon the return of the plans and specifications in good condition.

Each proposal must be accompanied by a certified check for $2,000.00 payable to the Treasurer of the City of Norwalk.

The City reserves the right to reject any or all bids.

CALVIN L. BARTON,
Mayor

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these advertisers through *Engineering News-Record's* large NATIONAL circulation, reaching almost every contractor, dealer, and manufacturer in the country interested in bidding on public work contracts. It is the DOMINANT MEDIUM for advertising contracts for work, material, and supplies for towns, cities, counties, state and government departments, and private organizations.

Bids: Aug. 17.

Reinforced Concrete Street Paving and Appertaining Structures

Upper Nyack, N. Y.

Sealed proposals will be received by the Trustees and President of the Village of Upper Nyack, at the Village Hall, Upper Nyack, New York, at 2 p.m. standard time, August 17, 1922, for street improvements. Work will consist of approximately 14,000 square yards of reinforced cement concrete pavement.

All bids must be upon blanks provided in the proposal furnished to bidders.

Bids must be accompanied by a certified check for three per cent, (3%) of the amount of the bid. Plans and specifications will be on file at the Village Treasurer's office, Wyman & Polhamous store, Upper Nyack, and the office of the Engineer, 507 Fifth Avenue, Room 600, New York City.

Copies of the plans and specifications may be obtained on or after August 3rd, 1922, for three dollars, ($3.00), per set. No refund for specifications or plans returned. Bidding blanks will be furnished free.

The right is reserved to reject any or all bids.

FRANK R. ZWAHLEN,
Village Clerk.

H. ELTINGE BREED, Engineer,
507 Fifth Avenue,
Room 600,
New York City.

Bids: Aug. 21

Levee Work

Naples, Ill

Proposals will be received by the Commissioners of the Valley City Drainage and Levee District at Naples, Illinois, until 10.00 A.M., August 21, 1922, for placing about 20,000 cubic yards of earth on top of their present Illinois River levee opposite Naples, Illinois.

Information and specifications may be obtained from the Randolph-Perkins Company, Engineers, at Naples, Illinois, or 1210 First National Bank Bldg., Chicago.

WM. SEVERNS,
Chairman
H. G. EDWARDS,
Commissioner
THOMAS MEEHAN,
Commissioner

OFFICIAL PROPOSALS

Bids: Aug. 16.

Water Works System

Sayreville, N. J.

Sealed proposals will be received by the Mayor and Borough Council of the Borough of Sayreville, N. J., at the Borough Council Chambers, Borough Hall, in the Borough of Sayreville, on the 16th day of August, 1922, at the hour of 8 o'clock p.m., Daylight Saving Time and 7 o'clock p.m. Standard Time, for the construction of a Water Works System in the Borough of Sayreville. The work, will, in general, consist of:

Laying about 13,402 lin.ft. of 4 inch Cast Iron Pipe,
Laying about 30,715 lin.ft. of 6 inch Cast Iron Pipe,
Laying about 10,215 lin.ft. of 8 inch Cast Iron Pipe,
Laying about 14,780 lin.ft. of 10 inch Cast Iron Pipe

together with other and appertaining construction.

All of said work to be done in accordance with the plans and specifications prepared by Waldo S. Coulter, Consulting Engineer, 114 Liberty Street, New York, N. Y., which said plans and specifications were adopted by the Borough Council of the Borough of Sayreville at the meeting held Wednesday, March 15th, 1922, and which said plans and specifications are now on file in the office of the Borough Clerk, Borough Hall, Sayreville, N. J., where they may be seen by bidders or a set of the said plans and specifications can be secured from Waldo S. Coulter, Consulting Engineer, by depositing ten dollars ($10.00), one half of which will be refunded upon the return of the plans and specifications in good condition within seven (7) days after the award of the contract. All bids must be on the form of proposal to be obtained from the Consulting Engineer.

Each bidder must accompany his bid by a certified check of five thousand dollars ($5,000), payable unconditionally to the Treasurer of the Borough of Sayreville, which said check must be presented with the bid as a guarantee that the bidder will within ten (10) days after receiving the award enter into and execute a contract for the faithful performance of the work to be done under said contract, and said bid must be in a sealed envelope and marked "Proposal for a Water Works System." The successful bidder will also be required to furnish a Surety Company bond to the Borough of Sayreville in the amount of Fifty Thousand Dollars ($50,000), for the faithful performance of the work to be done under said contract, said bond to be approved by the Borough Attorney.

In case of failure to execute the contract and furnish the required Surety Company bond within ten (10) days after due notice that the contract has been awarded to him, the successful bidder shall forfeit his deposit to the Borough of Sayreville as liquidated damages.

The right to reject any or all bids is reserved by the Mayor and Borough Council.

All of said work must be completed on or before December 1, 1923.

EDWARD E. CLARK,
Mayor.

Attest:
FRANK P. KOLB,
Borough Clerk.
Approved:
THOMAS H. HAGERTY,
Borough Attorney.

Bids: Aug. 16.

Water Main and Sewer Construction

Hyattsville, Md.

Sealed proposals for Contract 32-W & S will be received at the office of the Washington Suburban Sanitary Commission, Evans Bldg., New York Ave., Washington, D. C. until 3 P.M., Eastern Standard Time, Wednesday, August 16, 1922, for constructing 11,500 feet of 6 in. to 8 in. cast iron water mains and 33,500 feet of 6 in. to 10 in. sewers and appurtenances.

Plans obtainable from Robert B. Morse, Chief Engineer of District, Hyattsville, Md., on returnable deposit of $5.00.

T. HOWARD DUCKETT,
EMORY H. BOGLEY,
J. BOND SMITH,
Commissioners.

OFFICIAL PROPOSALS

Bids: Sept. 5.

High School

Smyrna, Del.

Public notice is hereby given that the Board of Education, of the Smyrna Special School District and Delaware School Auxiliary Assocaition will meet at the office of the Delaware School Auxiliary Association, duPont Building, Wilmington, Delaware, on Sept. 5th, 1922, at the hour of 11 o'clock, Daylight Saving Time, and then and there will receive and open sealed proposals for furnishing labor and material to erect and complete a new High School Building for the Town of Smyrna, Kent County, State of Delaware.

The work for which bids or proposals are hereby invited will consist of semi-fireproof building constructed of brick and concrete walls, with timber and reinforced concrete floor and roof construction. The size of building is approximately 150 ft. x 80 ft. The building will be one and two stories high and contain about 14 Instruction Rooms and Auditorium.

Bids will be received for the erection complete of the entire building under one contract, or for the following divisions separately:

1—For the General Construction, which includes all masonry, carpentry, steel and iron, roofing, painting, and all work kindred thereto.

2—For Plumbing and Gas Fitting, and all work kindred thereto.

3—For Heating and Ventilating and all work kindred thereto.

4—For Electrical Work and all work kindred thereto.

The Board of Education and Delaware School Auxiliary Association reserve the right to accept or reject any or all proposals and to waive informalities at their discretion.

All bids must be in sealed envelopes addressed to the Board of Education of the Smyrna Special School District, care of Delaware School Auxiliary Association, du Pont Building, Wilmington, Delaware, endorsed "Proposals for (Naming the branch of work covered by bid)," with the name of the bidder.

No bid will be considered unless accompanied by a certified check to the order of the Board of Education of the Smyrna Special School District to the amount of 2% of the amount of the bid or a bid bond of like amount, binding the bidder to execute the contract if awarded him. The terms of the proposal with surety required are fixed by the specifications.

Copies of the plans, specifications will be on file in the office of the Delaware School Auxiliary Association, du Pont Building, Wilmington, Delaware, and at the Smyrna High School, Smyrna, Delaware, for the purpose of examination and estimating.

There will be a limited number of copies of the plans and specifications which will be loaned to the prospective bidders on deposit of a certified check to the order of Delaware School Auxiliary Association in the sum of $25.00. If plans and specifications are returned on or before the submission of estimates, the check will be returned, but should the plans and specifications be not returned, the deposit may become forfeited. Applications for the plans and specifications should be made to the Delaware School of Auxiliary Association, Room 8124 duPont Building, Wilmington, Delaware.

THE BOARD OF EDUCATION OF THE SMYRNA SPECIAL SCHOOL DISTRICT, SMYRNA, DEL.
W. O. HOFFECKER, President.
DELAWARE SCHOOL AUXILIARY ASSOCIATION.
DR. JOS. H. ODELL, President.

DITCHING CONTRACT WANTED

Anyone having work to sublet, suitable for a 30-ft. span Bay City Dryland Dredge,

Write to
N. B. MILLER, Milan, Tenn.

OFFICIAL PROPOSALS

Bids: Aug. 22.

Stone Jetties

Longport, N. J.

Sealed proposals for the construction or extension of stone jetties or sea walls or any or all of them on the Atlantic Ocean, in the Borough of Longport, County of Atlantic, State of New Jersey, will be received by the Board of Commissioners of the Borough of Longport, at 7.30 o'clock in the evening, Eastern Standard Time, August 22, 1922, during a regular meeting of said Board of Commissioners, at the Commission Chamber, Borough Hall, Longport, N. J.; said bids to be opened and read in public at the aforesaid time and place.

Plans, specifications and form of bid, certificate of surety, contract and bond, covering proposed work, are on file in the office of the Borough Clerk, at Borough Hall, Longport, N. J. where they may be inspected during business hours. Any prospective bidder will be furnished with a complete set of the plans and specifications of the proposed work in consideration of a deposit of $10.00 and such deposit will be refunded if both plans and specifications are returned in good condition on or before August 22, 1922. Each bid must be made on the standard proposal form in the manner required by the specifications, must be enclosed in a sealed envelope marked "Proposals for Construction of Stone Jetties or Stone Seawalls or any or all of them at Longport, N. J., to be opened at 7.30 P. M., Eastern Standard Time, August 22, 1922," and with the certificate of surety properly filled in, and shall be enclosed in another envelope addressed to William S. Gilmore, Borough Clerk, Borough Hall, Longport, N. J. These envelopes must not be marked in any other manner. Each bid must be accompanied by a certified check payable to the Director of Revenue and Finance, or cash, in the amount of $10,000.00 and no bid will be received after the hour fixed for receipt of bids.

A contract will be awarded, if awarded at all, within one month of the date of receiving bids and such award will be made subject to the sale and delivery of bonds to be issued for the purpose of financing the above work.

The right is reserved to reject any or all bids.

By order of the Board of Commissioners of the Borough of Longport, N. J.
WILLIAM S. GILMORE.
Borough Clerk.

Bids: Aug. 24.

Two Concrete Bridges

Attleboro, Mass.

Proposals are invited until noon, August 24, 1922, by the city of Attleboro, Public Works Department, for constructing two concrete bridges to replace existing structures.

First: At Bank Street to cross Bungay River.

Second: At Water Street to cross Ten Mile River.

The structure on Bank Street will rest on pile foundation.

Proposals will be received for either or both of these structures.

Proposals to be sealed and addressed to the Mayor endorsed, "Bank Street or Water Street Bridge Proposal," as the case may be.

Quantities are approximate and depend on the actual foundations uncovered.

Plans and specifications and sounding data and instruction to bidders are on file at the office of the City Engineer, 27 Park Street, Attleboro.

The right is reserved to reject any or all bids or to accept one not the lowest if it be deemed for the best interest of the city so to do.

PHILIP E. BRADY,
Mayor.
JOHN O. TABER, Jr.,
Supt. Public Works.

OFFICIAL PROPOSALS

Bids: Aug. 21.

Street Illumination

Chicago Heights, Ill.

Public notice is hereby given that the Board of Local Improvements of the City of Chicago Heights, Illinois, will receive sealed proposals or bids for the construction of an improved modern street illuminating system consisting of two hundred and fifty-one (251) lighting units, mounted on ornamental concrete electric lighting standards, in accordance with ordinances therefore now on file in the office of the clerk of said city.

Bids will be opened by said Board at ten o'clock a.m. (Central Standard Time) on August 21, A. D. 1922.

Proposals must be made on blanks obtained from the City Clerk, and shall be addressed to W. J. Sadler, Secretary of the Board of Local Improvements of the City of Chicago Heights. Bids will be accepted by said secretary up to nine o'clock a.m. (Central Standard Time) on August 21, A. D. 1922.

Contractor will be paid in vouchers and in bonds, bearing six per cent interest, payable out of the proceeds of a special assessment levied by the City of Chicago Heights to pay for said improvement. (City Court of Chicago Heights, A-Docket No. 205, lighting units 132; B-Docket No. 206, lighting units 81; C-Docket No. 207, lighting units 38).

All proposals shall be accompanied by cash or check, payable to the order of J. E. Thomas, President of the Board of Local Improvements, certified to by a responsible bank, for an amount which shall not be less than ten per cent of the aggregate of the proposal.

The Board reserves the right to reject any or all bids.

BOARD OF LOCAL IMPROVEMENTS OF THE CITY OF CHICAGO HEIGHTS, ILLINOIS.
By J. E. THOMAS,
President.

Attest:
W. J. SADLER,
Secretary.

Copies of the plans and specifications may be secured at the office of the City Engineer, City Hall, Chicago Heights, Illinois, or at the office of Shepherd & Hovey, Consulting Engineers, 1623 Monadnock Block, Chicago, Illinois. A deposit of ten (10) dollars will be required.

Bids: Aug. 25.

Water Works Extension

Mansfield, Mass.

Sealed proposals will be received until 8 o'clock P.M. on the 25th day of August, 1922, at the office of the Town Manager, Mansfield, Mass., for doing all excavating and laying about 7,600 ft. of 8 in., and 2,500 ft. of 6 in. C. I. pipe in East Mansfield and about 7,700 ft. of 8 in. and 1,000 ft. of gether with all specials, hydrants, valves, etc. 6 in. C. I. pipe in West Mansfield, to-

Bids will be considered on two contracts. Contract No. 1 for East Mansfield and Contract No. 2, for West Mansfield.

A certified check for $1,000 shall accompany each bid. The right is reserved to reject any or all bids.

Plans and specifications may be obtained upon a deposit of $5.00 from the Town Manager's office at the Town Hall, Mansfield, Mass.

ERNEST E. LOTHROP.
August 7, 1922. Town Manager.

These Two Things I Do Well

CONTRACT BONDS
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HARMON V. SWART
92 William St., New York.

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ÆTNA CASUALTY AND SURETY COMPANY

HARTFORD, CONN. AGENTS EVERYWHERE

OFFICIAL PROPOSALS

Bids: Sept. 1.

Highway Work

Somerville, N. J.

Notice is hereby given that sealed bids will be received by the County of Somerset for the following: The construction of State Highway Route No. 9, Section 7A, from Grove Street, through East Main Street, North Gaston Avenue and Union Avenue to the easterly borough line of Somerville, consisting of 12,450 sq.yd. of "Surface Type C" one course reinforced cement concrete pavement with intersections, drains and appurtenances.

Work is to be performed under County Reimbursement Act, Chapter 183, Laws of 1918, and amended by Chapter 317, Laws of 1920.

Bids will be received at the Court House at Somerville on Friday, Sept. 1st, 1922, at 10.30 a.m., Daylight Saving Time, (Eastern Standard Time, 9.30 a.m.).

Drawings, specifications and form of contract and bond for the proposed work are on file in the office of H. C. Van Emburgh, County Engineer, at Court House, Somerville, and in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on deposit of ten dollars ($10.00) upon application to H. C. Van Emburgh, County Engineer. Bids must be made on the standard proposal forms in the manner designated therein and as required by the specifications, enclosed in sealed envelopes, addressed to the Board of Chosen Freeholders of the County of Somerset and bearing the name and address of the bidder and the name and section of the route on the outside. Bid must be accompanied by a certified check drawn to the order of Edwin Garretson, County Treasurer, for not less than ten per cent (10 per cent) of amount of the bid, provided that said certified check shall not be less than $500.00 nor more than $20,000.00, and be delivered at the above place on or before the hour named. Copies of the standard proposal form will be furnished on application to H. C. Van Emburgh, County Engineer.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said specifications, conditioned for the faithful performance of the provisions of the contract and specifications. Each bidder must also accompany his bid with a statement of equipment properly filled out.

By order of a resolution of the Board of Chosen Freeholders of the County of Somerset passed at a meeting held on Tuesday, August 1st, 1922.

WM. S. WOODRUFF, Clerk.

Bids: Aug. 23.

Pipe Sewers and Disposal Works

Rye, N. Y.

Sealed proposals will be received and opened publicly by the Trustees of the Village of Rye, N. Y., at the Village Municipal Hall, at 8.15 p.m., August 23rd, 1922.

Said proposals to cover construction (both materials and labor included) of certain pipe sewers and disposal works, according to plans and specifications filed with the Village Clerk.

Copies of plans and specifications may be seen also at office of City-Wastes Disposal Co., 45 Seventh Ave., New York City. Sets may be borrowed upon deposit of $15 of which $10 will be refunded if papers are returned in good condition before Sept. 1st., 1922.

Approximately the proposed work consists of:

About 29,000 feet of 8-inch and 600 feet of 15-inch vitrified pipe sewers, with manholes and flushtanks, much of it in rock excavation;

About 6,600 feet of iron pipe sewers, siphons and force-mains, 8-inch to 16-inch;

An indeterminate amount of drain-tile laid in sewer trench;

Sewage tanks, sprinkling filters and sand-beds, with appurtenances.

Each bid must be made on blank forms obtained from the Village Clerk or the Engineer, and must be accompanied by a certified check for $10,000 as a guarantee of good faith.

The Village reserves the right to reject any or all bids.

WILLIAM H. SELZER,
Village Clerk,
Rye, Westchester Co., N. Y.

G. EVERETT HILL,
Engineer,
45 Seventh Ave., New York.

OFFICIAL PROPOSALS

Bids: Aug. 16.

Cast Iron Water Pipes

Sayreville, N. J.

Sealed proposals will be received by the Mayor and Borough Council of the Borough of Sayreville, N. J., at the Borough Council Chambers, Borough Hall, in the Borough of Sayreville on the 16th day of August, 1922 at the hour of 8 o'clock, P. M., Daylight Saving Time and 7 o'clock, P. M., Standard Time for the furnishing of one hundred forty-six (146) tons 4 Inch cast iron pipe, hub and spigot ends, Class "B"; twelve hundred ninety-three (1293) tons 6 Inch to 18 Inch Cast Iron Pipe, hub and spigot ends, classes "B" and "C", and twenty-four (24) tons special iron castings. All pipe and special castings to be manufactured in accordance with Am. W. W. Assn. specifications. All proposals shall state the price per ton of 2,000 pounds, Sayreville, N. J.

All of said bids shall be in accordance with the specifications prepared by Waldo S. Coulter, Consulting Engineer, 114 Liberty Street, New York, N. Y., which said specifications were adopted by the Borough Council of the Borough of Sayreville at the meeting held on Wednesday, March 15, 1922, which said specifications are now on file in the office of the Borough Clerk, Borough Hall, Sayreville, N. J., where they may be seen by bidders, or a set of said specifications can be obtained from Waldo S. Coulter, Consulting Engineer, upon the payment of two dollars ($2.00), which said sum of two dollars ($2.00) will not be refunded.

Each proposal must be in a sealed envelope and marked "Proposal for Cast Iron Pipe." Each bid must be accompanied by a certified check for four thousand dollars ($4,000) made payable unconditionally to the Treasurer of the Borough of Sayreville, which check must be presented with the bid as a guarantee that the bidder will within ten (10) days after receiving the award, enter into contract with the Borough of Sayreville for the furnishing of the said cast iron pipe and special castings, and will also provide a Surety Company Bond to be approved by the Borough Attorney in the sum of Thirty thousand dollars ($30,000) for the faithful performance of the contract.

The furnishing of said cast iron pipe and special castings shall be completed within 150 days from the date of the signing of the contract.

The Mayor and Borough Council reserve the right to reject and and all bids.

EDWARD E. CLARK,
Mayor.

Attest:
FRANK P. KOLB,
Borough Clerk.

Approved:
THOMAS H. HAGERTY,
Borough Attorney.

U. S. GOVERNMENT

PROPOSALS FOR SPURDIKE CONSTRUCTION.—U. S. Engineer Office, 329 Customhouse, New Orleans, La.—Sealed proposals will be received here until 9:00 a.m., Sept. 5, 1922, and then opened, for construction of spurdikes at Southwest Pass, Mississippi River. Further information on application.

PROPOSALS FOR SPURDIKE CONSTRUCTION.—U. S. Engineer Office, 329 Customhouse, New Orleans, La.—Sealed proposals will be received here until 9:00 a.m., Sept. 5, 1922, and then opened, for construction of spurdikes at Head of Passes, Mississippi River. Further information on application.

PROPOSALS FOR BULKHEAD CONSTRUCTION.—U. S. Engineer Office, 329 Customhouse, New Orleans, La.—Sealed proposals will be received here until 9:00 a.m., Sept. 5, 1922, and then opened, for bulkhead construction at Southwest Pass, Mississippi River. Further information on application.

PROPOSALS FOR STONE.—U. S. Engineer Office, 329 Customhouse, New Orleans, La.—Sealed proposals will be received here until 9:00 a.m., Sept. 7, 1922, and then opened, for furnishing and delivering stone for Southwest Pass, Head of Passes, and South Pass, Mississippi River. Further information on application.

U. S. ENGINEER OFFICE, Galveston, Tex. Sealed proposals will be received here until 12 M., Aug. 15th, 1922, and then opened, for dredging the Houston Ship Channel, Texas. Further information on application.

U. S. GOVERNMENT

PROPOSALS FOR STEEL OIL BARGES.—U. S. Engineer Office, 329 Customhouse, New Orleans, La.—Sealed proposals will be received here until 8:00 a.m., Sept. 5, 1922, and then opened, for construction and delivery of two 4,000-barrel steel oil barges in the Mississippi River, at New Orleans, La. Further information on application.

PROPOSALS FOR SAND AND GRAVEL.—U. S. Engineer Office, 329 Customhouse, New Orleans, La., Sealed proposals will be received here until 9:00 A.M., Sept. 1, 1922, and then opened, for furnishing sand and gravel for Southwest Pass, Mississippi River. Further information on application.

U. S. ENGINEER OFFICE, Providence, R. I. Sealed proposals will be received here until 11 o'clock A.M., Eastern Standard Time, Aug. 28, 1922, and then opened for dredging in Bridgeport Harbor, Conn. Further information on application.

U. S. ENGINEER OFFICE, 815 Witherspoon Bldg., Philadelphia, Pa. Bids are wanted until September 6, 1922, for dredging in Delaware River on Bellevue, Cherry Island and Liston ranges. Further information on application.

U. S. ENGINEER OFFICE, Providence, R. I. Sealed proposals will be received here until 11 o'clock A.M., Eastern Standard Time, August 31, 1922, and then opened, for dredging in Pawtucket (Seekonk) River, R. I. Further information on application.

U. S. ENGINEER OFFICE, BALTIMORE, MD., Sealed proposals will be received here until 1 p.m., daylight saving time, August 21, 1922, and then opened for dredging in Baltimore Harbor and Channels, Md. Further information on application.

U. S. ENGINEER OFFICE, Room 710, Army Building, 39 Whitehall Street, New York, N. Y.—Sealed proposals for dredging in Hudson River, N. Y., will be received here until 12 M., September 5, 1922, (daylight saving time) and then opened. Further information on application.

U. S. ENGINEER OFFICE, Nashville, Tenn.—Sealed proposals will be received here until 11 a. m., Sept. 5, 1922, and then opened, for steel gates for Lock F, Cumberland River. Further information on application.

UNITED STATES ENGINEER OFFICE, Duluth, Minn., July 14, 1922. Sealed proposals will be received here until 10 o'clock a.m., August 14, 1922, and then opened, for constructing and delivering a steel derrick scow, complete with machinery and equipment. Further information on application.

U. S. ENGR. OFFICE, WILMINGTON, Del. Sealed proposals will be received here until 11 a.m., standard time, Aug. 15, 1922, and then opened, for excavating Inland Waterway from Delaware River to Chesapeake Bay, Del. and Md. (Chesapeake and Delaware Canal). Further information on application.

U. S. ENGINEER OFFICE, Providence, R. I. Sealed proposals will be received here until 11 o'clock a.m., Eastern Standard Time, August 15, 1922, and then opened, for rock removal in Stamford Harbor, Conn. Further information on application.

PROPOSALS FOR PONTOON CATAMARANS.—U. S. Engineer Office, 2d District, Portland, Ore.—Sealed proposals for 80 all steel pontoon catamarans will be received here unti 11 a.m., August 21, 1922, and then opened. Further information on application.

U. S. ENGINEER OFFICE, 616 Army Building, New York City.—SEALED PROPOSALS will be received here until 11 a.m., Eastern Standard Time, August 19, 1922, and then opened, for dredging in Passaic River, N. J. Further information on application.

U. S. ENGINEER OFFICE, BUFFALO, N. Y.—SEALED PROPOSALS will be received here until 11 a.m. (Eastern standard time) Aug. 25, 1922, and then opened, for constructing Office-Storehouse Building and six Operating Houses at Black Rock Lock and Storehouse at Ferry Street Bridge, Buffalo, N. Y. Further information on application.

PROPOSALS FOR LEVEE WORK.—Office, Mississippi River Commission, 1st and 2d Districts, Customhouse, Memphis, Tenn.—Sealed proposals will be received here until 11 a.m., Aug. 14, 1922, and then opened, for constructing about 2,900,000 cubic yards of earthwork in the Upper and Lower St. Francis and White River Levee Districts. Further information on application.